

**2009 1st QUARTER GROUNDWATER  
MONITORING REPORT**

FORMER ANGELES CHEMICAL COMPANY FACILITY  
8915 SORENSEN AVENUE SANTA FE SPRINGS, CALIFORNIA

**Prepared and Submitted to:**

**Department of Toxic Substances Control  
5796 Corporate Avenue  
Glendale, CA 90630**

**On Behalf Of:**

Greve Financial Services  
PO Box 1684  
Lomita, CA 90717

**Prepared By:**

Clean Soil, Inc.  
23811 Washington Avenue C-110  
Suite 241  
Murrieta, CA 92562  
(951) 677-2111

**APRIL 2009**

## 2009 1st QUARTER GROUNDWATER MONITORING REPORT

Former Angeles Chemical Company Facility  
8915 Sorensen Avenue Santa Fe Springs, California

***Prepared and Submitted to:***

*Department of Toxic Substances Control  
5796 Corporate Avenue  
Cypress, CA 90630*

**Prepared By:**

Mark Slatten, PG/CEG, CHG/PGg  
Principal Scientist and CEO  
Clean Soil, Inc.



Clean Soil, Inc.  
23811 Washington Avenue C-110, Suite 241  
Murrieta, CA 92562

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 1**

**TABLE OF CONTENTS**

1.0)	INTRODUCTION .....	4
2.0)	SITE DESCRIPTION .....	4
3.0)	PREVIOUS SITE ASSESSMENT WORK.....	4
4.0)	REGIONAL GEOLOGY/HYDROGEOLOGY .....	6
5.0)	SITE GEOLOGY/HYDROGEOLOGY .....	7
6.0)	GROUNDWATER MONITORING PROTOCOL .....	8
6.1)	Well Sampling .....	9
6.2)	Sample Handling .....	10
6.3)	Waste Management .....	10
7.0)	FREE PRODUCT .....	10
8.0)	GROUNDWATER SAMPLE RESULTS .....	11
9.0)	CONCLUSIONS.....	14
10.0)	RECOMMENDATIONS.....	15

**FIGURES**

Figure 1	Site Location Map
Figure 2	Monitoring Well Locations
Figure 3	First Water Potentiometric Gradient
Figure 4	A1 Zone Potentiometric Gradient
Figure 5	First Water Groundwater Elevation (Central & North)
Figure 6	First Water Groundwater Elevation (Southern)
Figure 7	Upper A1 Groundwater Elevations
Figure 8	Lower A1 Groundwater Elevations
Figure 9	TPH-g and BTEX Concentrations in First Water
Figure 10	TPH-g and BTEX Concentrations in Upper and Lower A1 Zones
Figure 11	Chlorinated VOCs & 1,4 Dioxane Concentrations in First Water
Figure 12	Chlorinated VOCs & 1,4 Dioxane Concentrations in A1 Zones
Figure 13	Acetone , MEK, and MIBK in First Water
Figure 14	Acetone , MEK, and MIBK in Upper and Lower A1 Zones
Figure 15	Free Product Removal by Well

**TABLES**

Table 1	Well & Screen Elevations and Groundwater Depths and Elevations
Table 2	TPH-g and VOCs from Free Product
Table 3	TPH-gas Groundwater Results
Table 4	Detected VOCs from Groundwater Results
Table 5	Detected VOCs from Diffusion Bag Groundwater Results
Table 6	Results from EPA Methods
Table 7	Dissolved Metals Sample Results
Table 8	Former Angeles Chemical Co. Free Product Removal Data Summary
Table 9	SVE Operations

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 2**

**APPENDIX ‘A’ ----- Field Logs**

**APPENDIX ‘B’ ----- Contaminant Graphs**

**APPENDIX ‘C’ ----- Laboratory Reports**

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 3**

**ABSTRACT**

Twenty-one groundwater-monitoring wells were gauged and eleven wells were sampled for laboratory analysis at the former Angeles Chemical Company (ACC), Inc. facility, located at 8915 Sorensen Avenue, Santa Fe Springs, California, on March 25, 2009. The SVE system operated for all 90 days of the current quarter (2,160 hours). Approximately 1,638 pounds of VOCs were removed by the SVE system this quarter. The total of pounds of VOCs removed by SVE is 20,889 pounds.

Groundwater elevations rose in four first water monitoring wells which had measurable water levels (MW-9, -12, -16, and -19) an average of 1.02 feet. First water wells MW-4, -6, -8, -10, and -18 were found to have no water in them, MW-22 and MW-26 did not have enough groundwater in them to obtain samples, and MW-19 had product sheen in it (and so it was not sampled). The groundwater in the remaining first water monitoring well (MW-11) dropped 0.13 feet in elevation. The pattern created by contouring groundwater data (see **Figure 3** this report) suggests a northwest/southeast trending ridge centered mid-site of high groundwater, similar to those described in previous quarterly monitoring reports. The southwestern flank of this ridge drops off steeply towards MW-18. There are no major differences between the groundwater contour map crafted last quarter (4th Quarter 2008) and the current map of first water elevations. Groundwater elevations dropped by a remarkably consistent average of 1.62 feet in all upper A1 zone monitoring wells (MW-13, -14, -15, -17, -20, and -21), resulting in a surface dipping to the southwest (see **Figure 4**). The Upper A-1 aquifer beneath MW-17 continues to represent the highest part of the piezometric surface beneath ACC. Groundwater levels dropped by a consistent average of 1.57 feet in all lower A1 monitoring wells (MW-23, -24, and -25).

Results of laboratory analyses show that the Site continues to be impacted by LNAPL in the first water zone monitoring well MW-19 (a sheen and odor). Elevated dissolved-phase VOCs were identified in first water zone monitoring wells MW -9, -12, and -16. MW-4, -6, -8, -10, -11, -22, and -26 were not sampled this quarter because there was not enough water in the casings to collect a groundwater sample.

In both the upper A1 zone (MW-13, -14, -15, -17, -20, and -21) and lower A1 Zone (MW-23, -24, and -25), dissolved-phase VOCs were identified in all the monitoring wells sampled. Concentrations of dissolved-phase VOCs continue to fluctuate with groundwater elevations. Dissolved VOC concentrations in the upper- and lower A1 zones are orders of magnitude lower than those in the first water zone.

Clean Soil, Inc. (CSI) also concludes that the recent groundwater analytical data provide support that the site is experiencing intrinsic biodegradation. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC were detected at dissolved concentrations up to 2,040 ug/L (1,1-DCE in first water zone well MW-16). The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation.

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 4**

**1.0) INTRODUCTION**

Clean Soil, Inc. (CSI) was contracted by Greve Financial Services (310) 753-5770) to write the report for the First Quarter 2009 Groundwater Monitoring event at the former Angeles Chemical Company (ACC), Inc. facility located at 8915 Sorensen Avenue, Santa Fe Springs, California (See Figure 1, Site Location Map). Quarterly groundwater monitoring was requested by the Department of Toxics Substance Control (DTSC) correspondence dated September 18, 2001. This report presents the results of the 2009 1st quarter monitoring event performed on March 25, 2009.

**2.0) SITE DESCRIPTION**

The site is approximately 1.8 acres in size and completely fenced. The site is bounded by Sorensen Avenue on the east, Air Liquide Corporation to the north and northwest, Plastall Metals Corporation to the north, and a Southern Pacific Railroad easement and McKesson Chemical Company to the south.

The ACC operated as a chemical repackaging facility from 1976 to 2000. A total of thirty-four (34) underground storage tanks (USTs) existed beneath the site. Two (2) USTs, one gasoline and one diesel, and sixteen (16) chemical USTs were excavated and removed under the oversight of the Santa Fe Springs Fire Department. All 16 remaining chemical USTs were decommissioned in place and slurry-filled.

**3.0) PREVIOUS SITE ASSESSMENT WORK**

In January 1990, SCS Engineers, Inc. (SCS) conducted a site investigation and drilled eight borings from 5 feet below grade surface (bgs) to 50 feet bgs. Soil samples collected and analyzed contained benzene, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), MEK, methyl isobutyl ketone (MIBK), toluene, 1,1,1-trichloroethane (1,1,1-TCA), tetrachloroethylene (PCE), and xylenes at detectable concentrations.

In June 1990, SCS conducted an additional site investigation at the site by advancing six additional borings drilled from 20.5 feet bgs to 60 feet bgs. A monitoring well (MW-1) was also installed. Soil sample analysis revealed detectable concentrations of the above-mentioned VOCs in addition to acetone and methylene chloride. Dissolved benzene, 1,1-DCA, 1,1-DCE, PCE, trichloroethylene (TCE), and trans-1,2-dichloroethene were detected in MW-1 above maximum contaminant levels (MCLs).

Between 1993 and 1994, SCS conducted further testing at the site. Soil samples were collected from nine borings. Five borings were converted to groundwater monitoring wells MW-2, MW-3, MW-4, MW-6, and MW-7. The predominant compounds detected in soil and groundwater were acetone, MEK, MIBK, chlorinated VOCs, and BTEX.

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 5**

In 1996 and 1999, SCS conducted separate soil vapor extraction (SVE) pilot tests using several treatment technologies on extraction well E-1 screened from 7 feet bgs and 22 feet bgs. Laboratory analysis identified maximum soil vapor gas concentrations as 1,1,1-TCA (30,300 ppmV) with detectable concentrations of 1,1-DCE, TCE, methylene chloride, toluene, PCE and xylenes. The radius of influence was measured between 35 and 80 feet.

In November 1997, SCS conducted a soil vapor survey (SVS) at the site. Soil vapor samples were collected at twenty-three locations at 5 feet bgs. In addition, soil vapor samples were collected at 15 feet bgs in five of the twelve sampling points. The SVS identified maximum VOC concentrations near the railroad tracks located on the northern portion of the site.

Blakely Environmental Investigations, Inc. (BEII) conducted an SVS at the site from November 27 to December 1, 2000. A total of 36 soil vapor sample points, labeled SV1 through SV36, were selected by BEII and approved by the DTSC for analysis. Two discrete soil vapor samples were collected from each soil vapor sample point, one at 8 feet bgs and one at 20 feet bgs. SV1 was an exception since the first soil vapor sample was collected at 10 feet bgs instead of 8 feet bgs. Based on the soil vapor sample results, BEII identified relatively low-level concentrations of VOCs in the silty clay soils at 8 feet bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20 feet bgs. Results were submitted to the DTSC by BEII in *Report of Findings*, dated January 10, 2001 with laboratory reports (BEII's *Report of Findings* dated January 10, 2001).

BEII conducted an additional SVS on the ACC site from January 14- to January 17, 2002. The purpose of the SVS was to determine the lateral extent of VOC soil vapors in the vadose zone along the eastern, northern, and southern property line of the site. In addition, BEII performed an SVS on June 13, 2002 on the Air Liquide property to determine the lateral extent of VOC soil vapors in the vadose zone north of the ACC facility. Based on the soil vapor survey results, BEII identified relatively low-level concentrations of VOCs in the silty clay soils at 5-, 7-, 8-, 10-, and 12 feet bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20 feet bgs, which are more permeable and conducive to soil vapor migration. Furthermore, VOC soil vapor concentrations were higher along the southern property line than along the east and north property line. Results were submitted by BEII to the DTSC in *Report of Findings*, dated October 15, 2002 with laboratory reports.

BEII drilled two soil borings (BSB-1 and BSB-2) and installed two groundwater-monitoring wells (MW-8 and MW-9) on the ACC site from June 5- to June 7, 2002. The purpose of the drilling was to help define the lateral and vertical extent of impacted soil along the eastern ACC property line and to help determine the extent of impacted groundwater. Soil borings BSB-1 and BSB-2 were drilled to 50- and 30 feet bgs,

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 6**

respectively. Monitoring wells MW-8 and MW-9 were installed to 40.5- and 45.5 feet bgs, respectively. Soil sample results identified elevated VOC concentrations from monitoring well MW-8 at depth between 29- and 40 feet bgs. Results were submitted by BEII to the DTSC in a *Report of Findings* dated October 15, 2002 with laboratory reports.

BEII drilled eight soil borings (BSB-3 through BSB-10) and eleven cone penetrometer test (CPT) locations (CPT-1 though CPT-11) in August 2002 to help determine the subsurface geology and extent of impacted soil. In November and December of 2002, BEII drilled seven additional borings (BSB-11 through BSB-17), fifteen additional CPT locations (CPT-12 through CPT-26), and installed twelve additional monitoring wells (MW-10 through MW-21) to help further define the subsurface geology and the extent of VOC-impacted soil/groundwater. Monitoring well MW-1 was also abandoned. In late June of 2003, BEII installed five additional monitoring wells (MW-22 through MW-26) to help define the extent of VOC-impacted soil and groundwater. Monitoring wells MW-2, MW-3, and MW-7 were abandoned. Laboratory results were submitted by BEII to the DTSC. A *Summary Site Characterization Report*, dated February 2004, was submitted by Shaw Environmental & Infrastructure, Inc. (Shaw) to the DTSC and included interpretations based on the above-mentioned borings, CPT locations, and monitoring wells. See **Figure 2** for Site Layout Map.

During the 4<sup>th</sup> quarter 2005, CSI began the VOC treatment of the vadose zone at the ACC site using a soil vapor extraction system (SVE). SVE monitoring program provides data to the DTSC regarding the removal of VOCs on a quarterly basis. SVE monitoring consists of such activities as collection of SVE samples, field analysis, laboratory analysis, and reporting. A carbon-based SVE system was turned on initially October 12, 2007 (Greve received its Permit-to-Construct the carbon-based system June 4, 2007). The system was shut down between December 19, 2007 and January 29, 2008 in order to exchange carbon in the canisters. The unit was turned back on January 29, 2008. The SVE system was again shut down June 28, 2008, for carbon exchange after break through in the third carbon canister (farthest from the influent pipe) was detected during normal weekly monitoring. The SVE system operated for all 90 days of the current quarter (2,160 hours). Approximately 1,638 pounds of VOCs were removed by the SVE system this first quarter of 2009. The total of pounds of VOCs removed by SVE in 2008 is 2,413 pounds.

#### **4.0) REGIONAL GEOLOGY/HYDROGEOLOGY**

The site is located near the northern boundary of the Santa Fe Springs Plain within the Los Angeles Coastal Plain at an elevation of approximately 150 feet above mean sea level (msl). Surface sediments consist of fluvial deposits composed of interbedded gravel, sand, silt, and clay. Available data from California Water Resources Bulletin No. 104 (June 1961) indicate that the surface sediments may be Holocene and/or part of the upper Pleistocene Lakewood Formation, which ranges from 40- to 50 feet

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 7**

thick beneath the site. The Lakewood Formation has lateral lithologic changes with discontinuous permeable zones that vary in particle size. Stratified deposits of sand, silty sand, silt, and fine-grained gravel comprising the upper portion of the lower Pleistocene San Pedro Formation underlies the Lakewood Formation.

The site lies within the Central Basin Pressure area, a division of the Central Ground Water Basin, which extends over most of the Coastal Plain. The shallow (perched) groundwater occurs within the Lakewood Formation. The deeper groundwater occurs in the Hollydale aquifer, which is the uppermost regional aquifer in the Pleistocene San Pedro Formation. The major water-producing aquifers in the region are the Lynwood aquifer located approximately 200 feet bgs, the Silverado aquifer located at approximately 275 feet bgs, and the Sunnyside aquifer located at approximately 600 feet bgs.

## **5.0) SITE GEOLOGY/HYDROGEOLOGY**

Based on the borings and CPT pushes, Shaw (2004) identified six distinct hydrostratigraphic units beneath the ACC site. Uppermost is an “overburden” unit comprised of a wide range of materials from fill to silty sands to clayey silts that is designated as “unit A”. Next is a well-defined clean sand (sometimes with gravel) unit designated as “unit B”. Following is a fine-grained predominantly silt zone designated as “unit C1” which is underlain by a coarser-grained silty sand zone named “unit D”. Next is the finest-grained unit observed, “unit C2”, which is predominantly a clayey silt that can be finer-grained (clay) at the top and coarser-grained (sandy silt) with depth. Finally, “unit E” is a clean coarse-grained sand (similar to unit B) that is considered the top of the regional aquifer system.

A perched water zone, which is currently dry, was identified within unit B. The regional aquifer zone from 50- to 80 feet bgs (referred as the A1 zone) is identified within unit E. A zone of saturation (referred as the “first water” zone) exists between the A1 and the perched water zone.

For this report, monitoring wells MW-13, -14, -15, -17, -20, and -21 are referred to as ‘upper A1 zone monitoring wells’ and MW-23, -24, and -25 as ‘lower A1 zone monitoring wells’. Monitoring wells MW-4, -6, -8, -9, -10, -11, -12, -16, -18, -19, -22, and -26 are noted as the ‘first water zone monitoring wells’. Monitoring wells MW-10, -11, and -22 have insufficient groundwater in them for sample collection. Wells MW-4, -6, 8, 18, and -26 are dry. Monitoring well MW-19 has product sheen in it and was not sampled this quarter.

The groundwater gradient historically has been to the southwest and northeast. On March 25, 2009 the first water elevations were measured to be at depths between 36.56 (MW-12) and 41.15 (MW-19) feet bgs (elevations of 113.07 and 108.48 feet above msl, respectively). A potentiometric groundwater contour map of the first water is

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 8**

included as **Figure 3**. The surface depicted in **Figure 3** is characterized as a northwest/southeast trending ridge of high groundwater, similar to those described in previous quarterly monitoring reports, which is centered mid-site. The southwestern flank of this ridge drops off steeply towards MW-18. Groundwater in the upper A1 zone was measured to be at depths between 52.20 (MW-17) and 55.64 (MW-15) feet bgs (elevations of 97.43 and 93.99 feet above msl, respectively). A potentiometric groundwater contour map of the upper A1 zone water is included as **Figure 4**. The planar piezometric surface defined in **Figure 4** dips to the southwest. Groundwater in the lower A1 zone was measured to be at depths between 50.8 (MW-23) and 55.70 (MW-25) feet bgs (elevations of 98.83 and 93.93 feet above msl, respectively). No potentiometric groundwater contour map was crafted for the lower A1 zone because there are only three data points to contour. Depths to groundwater in all zones and their respective elevations are presented in **Table 1**.

Hydrographs are included as **Figures 5 through 8** in this report. Groundwater elevations of both the first water and A1 zone tend to be higher in June and lower in December, suggesting a seasonal recharge in both hydrologic zones. This pattern appears to hold true with typical rainfall, but not for this monitoring period. Groundwater levels in all aquifers are falling, reflecting the lack of precipitation in the previous quarters. With the exception of MW-11 (in which groundwater dropped 0.13 feet), the overall average rise in groundwater in the remaining first water wells (MW-9, -12, -16, and -19) was measured to be 1.02 feet. The northwest/southeast-tending ridge of higher groundwater elevation mid-site that has been consistently monitored for the past few periods persists (**Figure 3**). Groundwater elevations beneath all upper A1 wells (MW-13, -14, -15, -17, -20, and -21) fell an average of 1.62 feet. The drop in groundwater in all upper A1 wells was remarkably consistent across the site. The resulting piezometric surface in the upper A-1 aquifer continues to be dip to the southwest (see **Figure 4**), with MW-17 representing the highest groundwater beneath the ACC in this aquifer. Groundwater levels dropped in all lower A1 monitoring wells (MW-23, -24, and -25) by an average of 1.57 feet. As in the upper A1 wells, the drop in groundwater elevations in the lower A1 wells was very consistent across the site.

## **6.0 GROUNDWATER MONITORING PROTOCOL**

The purpose of the current groundwater monitoring program is to provide data to the DTSC regarding the piezometric surface, water quality, and the presence of free product (FP), if any, on a quarterly basis. Groundwater monitoring consists of such activities as water level measurement, well sounding for detection of FP, collection of groundwater samples, field analysis, laboratory analysis, and reporting. The fieldwork was performed as follows.

The depth to groundwater was measured in each well using a decontaminated water-level indicator capable of a measurement to within 1/100th of a foot. Prior to, and following, collection of measurements from each well, the portion of the water-level indicator entering groundwater was decontaminated using a 3-stage decontamination

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 9**

procedure consisting of a potable wash with water containing Liquinox soap followed by a double-purified water rinse. The depth to water was measured in all monitoring wells before any of the wells were purged. Wells were measured, where practicable, in the order of least to the most contaminated based on past analyses. Otherwise the wells were sampled in the order of availability. For the ACC wells, the following order of gauging was followed this quarter: MW-4, -6, -8, -10, --11, 17, -16, -24, -23, -25, -9, -20, -14, -12, -15, -22, -21, -18, -19, -13, and 26.

The well box and casing were opened carefully to preclude debris or dirt from falling into the open casing. Once the well cap was removed, the water-level indicator was lowered into the well until a consistent tone was registered. Several soundings were repeated to verify the measured depth to groundwater. The depth of groundwater was measured from a reference point marked on the lip of each well casing. A licensed surveyor has surveyed the elevation of each reference point. The depth of groundwater was recorded on the field-sampling log for each well. Other relevant information such as physical condition of the well, presence of hydrocarbon odors, etc. was also recorded as appropriate on the field-sampling log.

The well sounder used for this project was equipped to measure free product (FP) layers thicker than 0.1 inches. FP was indicated as light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL).

Groundwater samples are analyzed quarterly for:

- Volatile Organic Compounds (VOCs) by EPA Method 8260B to include all Tentatively Identified Compounds (TICs).
- Total Petroleum Hydrocarbons - gasoline (TPH-gas) by EPA Method 8015M.

### **6.1) Well Sampling**

The wells were sampled on March 25, 2009. Representatives from the Department of Toxic Substances Control (DTSC), Cypress, CA were invited to witness the procedure. All groundwater samples were collected in *Snap Samplers*<sup>TM</sup>. A Snap Sampler<sup>TM</sup> is a groundwater-sampling device that employs a double-opening 40 ml VOA vial. Each vial is sealed at depth under water by use of a remote trigger (a wire). The trigger releases an internal, PFA Teflon-coated, stainless steel spring that seals PTFE or PFA Teflon end-caps onto the bottle. The end-caps are designed to seal the water sample within the VOA vial with no headspace vapor. Once the closed vial is retrieved from the well, the bottle is prepared with standard septa screw caps over the snap sampler seals and a label is attached. All critical actions take place submerged in the well, away from weather, surface contamination, and off-gassing loss. The vial can be used directly in standard laboratory auto sampler equipment. The sample is never exposed to the open air from the well to the gas chromatograph.

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 10**

Sampling personnel wore new nitrile gloves at each well to prevent cross-contamination of the samples. A solvent-free label was affixed to each sample vial denoting the well identification, date, and time of sampling.

Groundwater samples were collected in the following order MW-9, -17, -16, -23, -20, -25, -15, -24, -21, -13, and -12. Monitoring wells MW-4, -6, -8, -10, -11, -14, -18, -22, and -26 had insufficient volumes of water for sampling or were dry. MW-19 has free product sheen in the well and was not sampled this quarter.

A duplicate sample, collected from monitoring well MW-12, and a trip blank, supplied by the lab, were submitted to the lab for quality assurance/quality control (QA/QC) purposes.

Analytical results are included in **Appendix B**.

**6.2) Sample Handling**

All groundwater and QA/QC samples were labeled and placed inside a cooler chilled to approximately 4°C with bagged ice prior to transport to Alpha Scientific Corporation, a laboratory certified by the California Department of Health Services (Cert. #2633). All samples were logged on the chain-of-custody forms immediately following sampling to insure proper tracking through analysis to the laboratory.

**6.3) Waste Management**

Free product (FP) and decontamination water are stored in sealed 55-gallon drums for a period not to exceed 90 days. Stored wastes will be profiled for hazardous constituents and characterized as Non-Hazardous, California Hazardous, or RCRA Hazardous, as appropriate. Any transportation of waste will be under appropriate manifest.

**7.0) FREE PRODUCT**

FP was identified as light non-aqueous phase liquid (LNAPL) in monitoring wells MW-18 and -19 (“sheens”). Each well that contains or has contained FP is tabulated as follows with the total amount of FP removed since each well was installed.

<b><u>Well ID</u></b>	<b><u>Total FP Removed (liters)</u></b>
• MW-4	0.04
• MW-6	15.165
• MW-8	26.49
• MW-10	14.751

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 11**

• MW-16	0.93
• MW-18	209.227
• MW-19	42.538
• MW-21	1.558
<b>TOTAL</b>	<b>310.699</b>

Laboratory analysis of FP was performed in October 2001 from MW-6, in June 2002 from MW-6 and MW-8, in December 2003 from MW-16 and MW-19, in March 2004 from MW-10, MW-18 and MW-19, and in September 2004 from MW-8, MW-10, and MW-19. Laboratory analysis results are presented in **Table 2**. Based on the results, the FP contained in MW-6 and MW-8 appears to be different from the FP contained in MW-10, MW-16, and MW-19 when comparing TPH-gas concentrations. Furthermore, the VOC analysis results indicate that FP from MW-10 and MW-18 were similar as compared to the FP from MW-19.

## **8.0) GROUNDWATER SAMPLE RESULTS**

Groundwater samples collected from the first water zone monitoring wells MW-9, -12, and -16 in March 2009 contained dissolved total petroleum hydrocarbon as gasoline (TPH-gas) concentrations measured at -2,340; ND<50; and -503,000 µg/L, respectively. The concentration of TPH-gas measured this quarter in MW-16 is an obvious anomaly. The well casing was full of water that had to be bailed out prior to sampling. The water in the casing was derived from the washing of automobile engines (according to workers on site). CSI interprets the high concentration of TPH-gas in MW-16 to be due to this wash water breaching the well cap and contaminating the well. The concentration of TPH-gas in MW-9 is slightly higher than last quarter and, for the first time since June of 2007, this compound was not detected in MW-12 above the detection limit. See **Table 3** and **Figure 9** for dissolved TPH-gas concentrations. Graphs of dissolved contaminant concentrations over time are provided in **Appendix B**.

Groundwater samples collected from the upper A1 zone monitoring wells MW-13, -14, -15, -17, -20, and -21 in March 2009 contained TPH-gas in concentrations measured at -192; -567; -1,150; -621; -352; and -3,200 µg/L, respectively. All changes in the concentration of TPH-g in these wells are minor this quarter. See **Table 3** and **Figure 10** for dissolved TPH-gas concentrations.

Groundwater samples collected from the lower A1 zone monitoring wells MW-23, -24, and -25 in December 2007 contained TPH-gas in concentrations measured at -604; -263; and -704 µg/L, respectively. All three wells show decreases in the concentration of TPH-g this quarter. See **Table 3** for dissolved TPH-gas concentrations.

Concentrations of dissolved benzene, toluene, ethylbenzene, and (total) xylenes (BTEX) in the first water zone ranged from 81.6 µg/L in MW-16 to less than 2µg/L (non-detect) in MW-12 (See **Table 4** and **Figure 9** for dissolved BTEX concentrations). MW-

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 12**

10, which has historically had high concentrations of BTEX, did not contain enough groundwater in the well casing to obtain a sample. The first water zone contains benzene as the primary BTEX constituent this quarter. Contaminant graphs for benzene and toluene are provided in **Appendix B**.

Dissolved BTEX in the upper A1 zone was detected in MW-21, and -15 at concentrations of 71.8 and 376.3 µg/L, respectively. The concentration of BTEX in MW-15 represents an increase from the previous sampling event. Xylene is the primary constituent of the upper A-1 zone this quarter (See **Tables 4 and 5** and **Figure 10** for dissolved BTEX concentrations).

The lower A1 zone monitoring wells MW-23, -24, and -25 continue to show no detectable concentrations of dissolved BTEX (less than 1.0 µg/L).

Dissolved perchloroethylene (PCE) was identified in the first water zone at a maximum concentration of 344 µg/L in MW-16 (an increase in this well). Dissolved Trichloroethylene (TCE) was identified at a maximum of 233 µg/L in MW-16 (a slight decrease) in the first water zone (See **Figure 11**). Historically, dissolved contaminant graphs show relatively consistent dissolved PCE and TCE concentrations from first water wells except for MW-26 where concentrations fluctuate greatly. Maximum concentrations of dissolved PCE and TCE in the upper A1 zone were determined to be 222 µg/L in MW-20 and 119 µg/L in MW-17, respectively (See **Figure 12**). The lower A1 zone contained maximum concentrations of dissolved PCE of 344 µg/L in MW-25 and dissolved TCE of 305 µg/L in MW-25. Wells in the upper and lower A1 zones fluctuated very slightly in dissolved PCE and TCE concentrations this quarter as compared to the previous quarter (See **Appendix B**).

Dissolved concentrations of 1,1,1-Trichloroethane (1,1,1-TCA) was not detected in any of the first water zone wells above the detection level of 2 µg/L. Dissolved 1,1,1-TCA is at a maximum of 11.2J µg/L in MW-21 and < 2.0 µg/L in the remainder of the upper A1 zone (See **Figure 12**). 1,1,1-TCA was not detected above the detection level of 2.0 µg/L in any of the lower A1 wells this period.

Groundwater samples were also analyzed for 1,4-Dioxane, a preservative used in 1,1,1-TCA to prolong its shelf life. However, 1,4-Dioxane is more soluble in groundwater than 1,1,1-TCA and will often lead the dissolved 1,1,1-TCA plume. First water zone monitoring wells that contained concentrations of dissolved 1,4-Dioxane were MW-9 (12,200 µg/L) and MW-16 (6,700 µg/L). The remaining well sampled in this zone (MW-12) had a concentration of 1,4-Dioxane less than the detection limit of 50 µg/L. Upper A1 zone monitoring wells MW-15 (51.3 µg/L) and MW-14 (57.7 µg/L) had concentrations of dissolved 1,4-Dioxane detected in them (both large decreases since the previous sampling event). The remaining wells in this zone had concentrations less than

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 13**

50 µg/L (MW-13, -17, -20, and -21). Dissolved concentrations of 1,4-Dioxane were not detected in the lower A1 zone monitoring wells above the detection limit of 50 µg/L.

Concentrations of dissolved chlorinated VOC daughter products were relatively elevated compared to their respective parent VOCs identified above and also showed a trend of higher dissolved concentrations in the first water zone compared to the deeper A1 zone.

1,1-Dichloroethane (1,1-DCA) is a daughter product from reductive dehalogenation of 1,1,1-TCA. Dissolved 1,1-DCA concentrations were detected in almost every monitoring well sampled. Concentrations of 1,1-DCA were detected between 2,780 µg/L (MW-16) and 844 µg/L (MW-9) in the first water zone (See **Figure 11**). Dissolved 1,1-DCA concentrations in the upper A1 zone ranged between 2,010 µg/L (MW-21) and <1.0 µg/L in MW-13 (See **Figure 12**). Dissolved 1,1-DCA was detected at concentrations of 4.2 µg/L in MW-23 and <1.0 µg/L in MW-24.

Dissolved 1,1-Dichloroethylene (1,1-DCE), a daughter product of the dehydrohalogenation of 1,1,1-Trichloroethane (1,1,1-TCA) was detected in the first water zone at concentrations ranging from 3,130 µg/L (MW-16) to <2.0 µg/L (MW-12, see **Figure 11**). MW-9 (1,190 µg/L) also had a significant concentration of 1,1-DCE in the first water zone. Dissolved 1,1-DCE concentrations in the upper A1 zone ranged between 626 µg/L (MW-21) and 7.6J µg/L (MW-15, see **Figure 12**). Dissolved 1,1-DCE was detected in the lower A1 zone at concentrations of 306 µg/L (MW-25), 134 µg/L (MW-23), and 43.1 µg/L (MW-24). Historically, dissolved concentrations of 1,1-DCE fluctuate in all zones with no observable pattern (See **Appendix B**).

Cis-1,2-Dichloroethylene (cis 1,2-DCE) is also a daughter product of the dehydrohalogenation of 1,1,1-TCA and reductive dehalogenation of TCE. Concentrations of dissolved cis-1,2-DCE were detected in the first water zone between 5,480 µg/L (MW-16) and <1 µg/L (non-detect, MW-12, see **Figure 11**). Dissolved cis-1,2-DCE concentrations in the upper A1 zone ranged from 826 µg/L (MW-21) to 3.3J µg/L (MW-13, see **Figure 12**). Dissolved cis-1,2-DCE in the lower A1 zone was detected between 14.6 µg/L (MW-25) and 3.9 µg/L (MW-24). Historically, dissolved concentrations of cis 1,2-DCE fluctuate in all zones with no observable pattern (See **Appendix B**).

Vinyl chloride (VC) is a by-product from the dehydrohalogenation and reductive dehalogenation of the chlorinated VOC daughter products mentioned above. Similar to the other VOCs, concentrations of dissolved VC were at lower concentrations in the deeper A1 zone than in the first water zone. Dissolved VC concentrations were detected in the first water zone between 568 µg/L (in MW-16) and <1 µg/L (non-detect, MW-12, see **Figure 11**). Dissolved VC concentrations in the upper A1 zone ranged from 503 µg/L (MW-21) to <1.0 µg/L (MW-13, -15, -17 and -20, see **Figure 12**). Dissolved VC

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 14**

was not detected (<1.0 µg/L) in the lower A1 zone. The A1 zone wells showed fluctuations of dissolved VC concentrations with no discernable pattern over time.

Methylene chloride is a common laboratory solvent and often is reported in laboratory data. Dissolved methylene chloride was not detected in wells this quarter.

Dissolved acetone was not reported above the detection limit of 5 µg/L in any wells sampled this quarter. Dissolved 2-Butanone (MEK) was not detected above the detection limit of 5 µg/L in any wells sampled this quarter. 4-Methyl-2-pentanone (MIBK) was not reported above the detection limit of 5 µg/L in any wells tested this quarter. Historically, dissolved concentrations of acetone, MEK, and MIBK, when present, fluctuate with no observable pattern (See **Appendix B**).

All groundwater laboratory analytical reports for this quarterly groundwater-monitoring episode are included as **Appendix C**.

## **9.0 CONCLUSIONS**

With the exception of first water wells MW-9, -12, -16, and -19, which raised an average of 1.02 feet, groundwater elevations dropped in every groundwater monitoring well gauged this quarter. Groundwater elevations in the first water zone well MW-11 dropped 0.13 feet. Groundwater elevations in both A1 zones dropped on average of about 1.6 feet. First water wells MW-4, -6, -8, 10, -11, -14, -18, -22, and -26 were found to have little or no water in them. MW-19 had a product sheen in it and was not sampled. In the absence of significant precipitation (resulting in aquifer recharge) over the previous few quarters, the first water aquifer is clearly dewatering.

The pattern created by (mostly) rising groundwater levels in the first water zone (see **Figure 3**) is a northwest/southeast trending ridge of “high” groundwater centered mid-site, as described in previous quarter monitoring reports. The southwestern flank of this ridge drops off to the southwest. Monitoring wells at the base of this flank (MW-18, -22, and -26) were dry this quarter. Contoured groundwater elevations from upper A1 zone monitoring wells show a planar piezometric surface dipping to the southwest (see **Figure 4**).

Results of laboratory analyses show that the Site continues to be impacted by LNAPL in the first water zone monitoring wells MW-18 and -19 (a sheen and odor). Elevated dissolved-phase VOCs were identified in first water zone monitoring wells MW-9, -12, and -16.

In the upper A1 zone, dissolved-phase VOCs were identified in monitoring wells MW-13, -14, -15, -17, -20, and -21. Concentrations of dissolved-phase VOCs continue to fluctuate with groundwater elevations. Dissolved VOC concentrations in the upper A1 zone are orders of magnitude lower than those in the first water zone.

Concentrations of TPH-g, BTEX, and VOCs in all water zones show statistical

**Former Angeles Chemical Co.  
2009 First Quarter  
Groundwater Monitoring Report  
Page 15**

similarities with the previous sampling event (4th Q 2008).

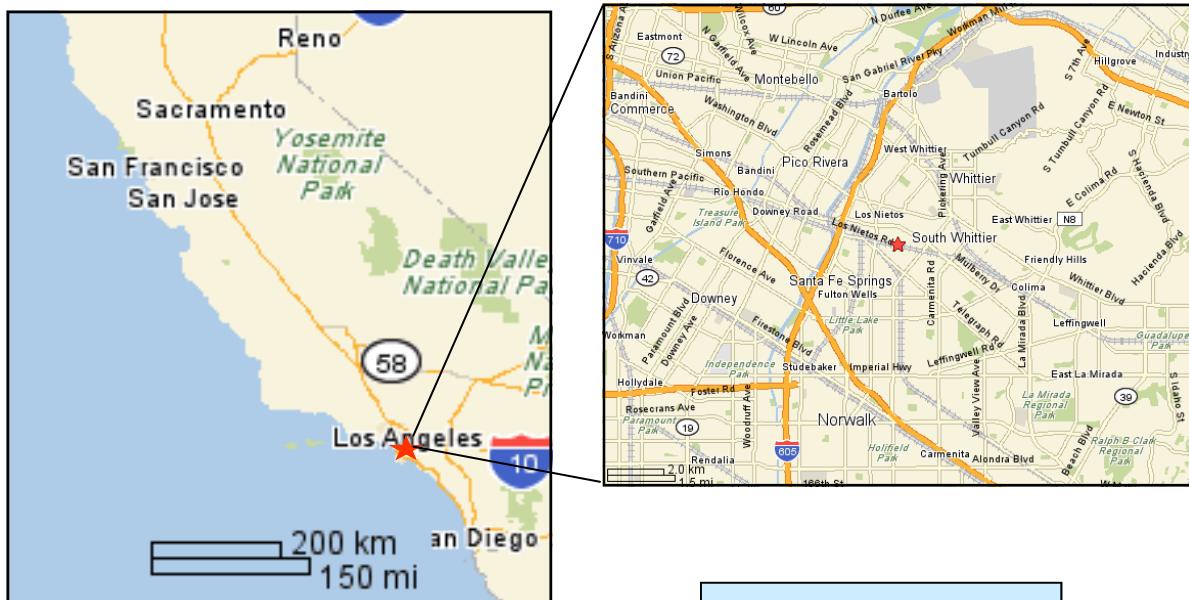
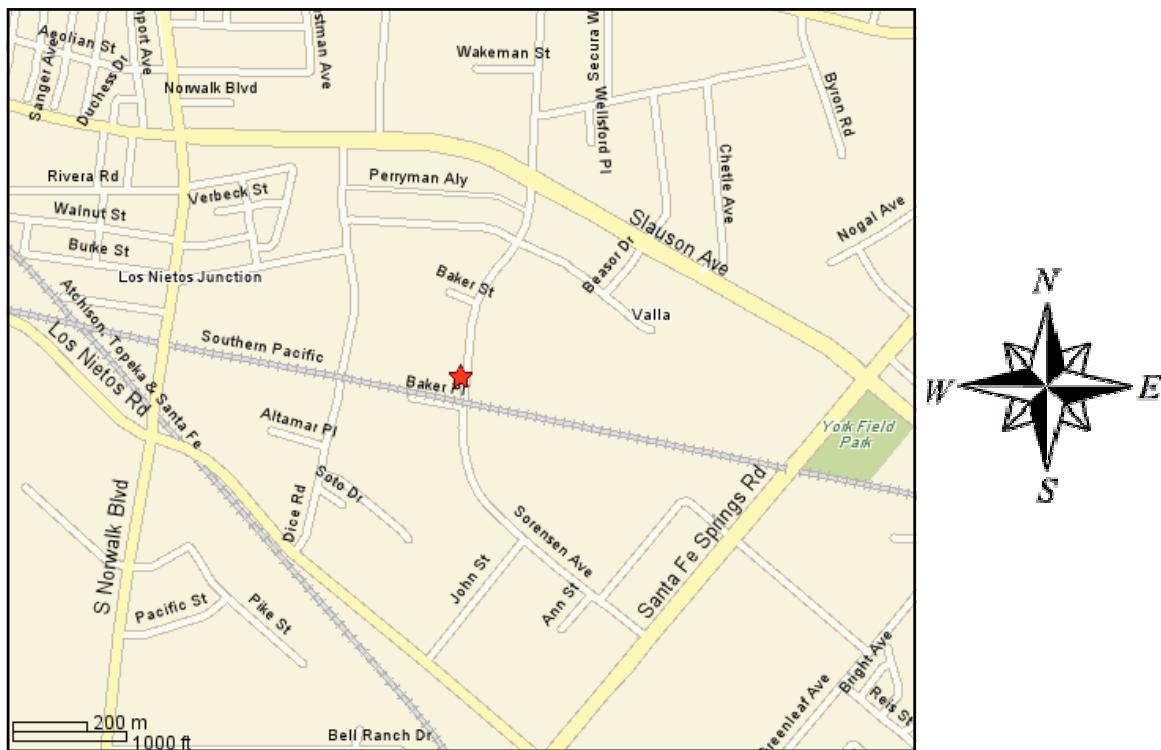
Clean Soil Inc. also concludes that the recent groundwater analytical data provide support that the site is experiencing intrinsic biodegradation. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC were detected at dissolved concentrations up to 11,958 µg/L (in first water zone well MW-16). The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation.

**10.0) RECOMMENDATIONS**

Clean Soil Inc. recommends the following:

- Continued quarterly groundwater monitoring for VOCs and TPH-gas
- Continued free product removal on a monthly basis
- Continued SVE (carbon-based operations began in October 2007)

## **FIGURES**



Clean Soil, Inc.  
P.O. Box 1381  
Lomita, CA 90717

**Site Location Map**  
Former Angeles Chemical Company  
8915 Sorensen Ave., Santa Fe Springs, CA 90670

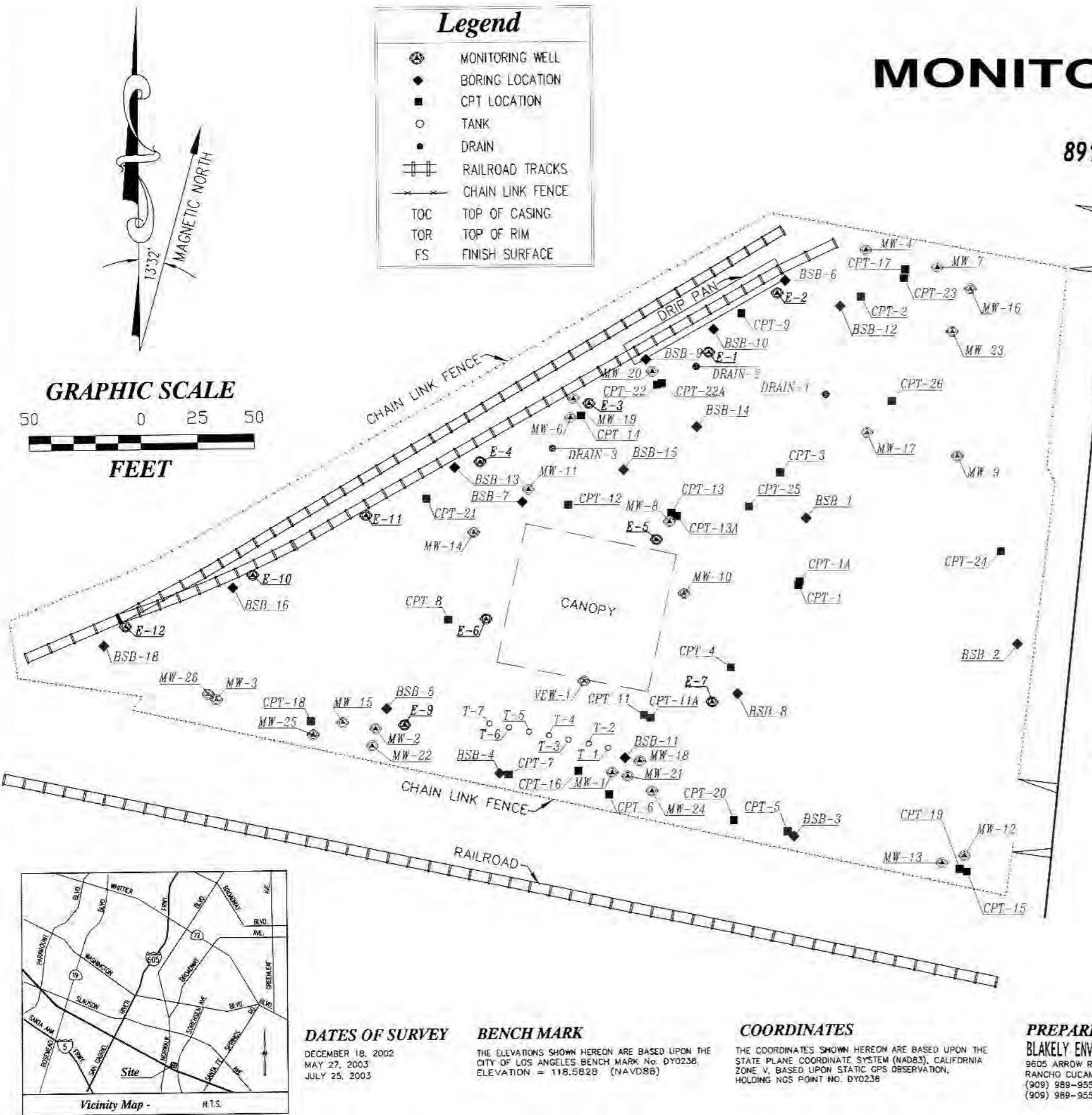
**FIGURE**  
**1**

# FIGURE 2

## MONITORING WELL LOCATIONS

FORMER ANGELES CHEMICAL CO.

8915 SORENSEN AVENUE, SANTA FE SPRINGS, CA 90670



MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	NG (ELEVATION)
VIEW-1	1807355.04	6542521.64	149.89	150.20	150.19	
MW-1	1807314.87	6542534.25			150.43	
MW-2	1807333.80	6542429.89	150.42	150.87	150.82	
MW-3	1807346.37	6542359.32	150.79	151.20	151.12	
MW-4	1807345.62	6542645.37	148.27	148.97	148.79	
MW-6	1807471.20	6542515.25	149.39	149.57		149.58
MW-7	1807537.94	6542676.85	148.62	148.94	148.96	
MW-8	1807425.51	6542558.80	149.63	150.00	149.97	
MW-9	1807454.48	6542696.12	149.16	149.40	149.35	
MW-10	1807393.85	6542565.31	149.41	149.91		149.33
MW-11	1807439.71	6542496.73	149.12	149.87		149.41
MW-12	1807278.03	6542690.00	150.09	150.46	150.40	
MW-13	1807274.77	6542679.87	150.22	150.54	150.47	
MW-14	1807420.66	6542472.42	150.66	151.01	150.93	
MW-15	1807336.40	6542415.51	150.60	150.94	150.86	
MW-16	1807528.58	6542681.54	148.32	149.73	148.85	
MW-17	1807465.01	6542646.05	149.03	149.37	149.32	
MW-18	1807319.84	6542546.37	149.83	150.29		150.03
MW-19	1807479.88	6542516.45	149.20	149.81		149.64
MW-20	1807491.81	6542551.27	149.14	149.59	149.32	
MW-21	1807312.93	6542504.98	150.02	150.31	150.25	

NOTE:  
MW-1 ABANDONED

BORING LOCATION			
BORING	NORTH	EAST	ELEVATION
BSB-1	1807427.49	6542619.40	149.39
BSB-2	1807371.72	6542713.07	149.60
BSB-3	1807286.76	6542614.74	150.47
BSB-4	1807314.44	6542484.53	150.86
BSB-5	1807342.93	6542434.75	150.89
BSB-6	1807532.47	6542609.80	149.53
BSB-7	1807434.40	6542494.13	149.48
BSB-8	1807349.73	6542689.33	149.82
BSB-9	1807497.41	6542546.37	149.72
BSB-10	1807510.81	6542578.05	149.47
BSB-11	1807321.16	6542540.03	150.11
BSB-12	1807521.18	6542634.08	148.73
BSB-13	1807449.49	6542463.97	149.56
BSB-14	1807467.59	6542570.90	149.50
BSB-15	1807448.74	6542538.69	149.64
BSB-16	1807396.27	6542366.39	150.00



SURVEYED: MAY 27, 2003

MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	BY
E-1	1807500.70	6542575.93	148.89	149.17		DG
E-2	1807527.00	6542606.37	148.75	149.31		
E-3	1807478.00	6542523.40	149.15	149.43		
E-4	1807452.12	6542475.18	149.13	149.35		
E-5	1807417.93	6542653.23	149.51	149.99		
E-6	1807382.72	6542478.20	150.09	150.33		
E-7	1807346.09	6542578.05	149.81	149.83		
E-9	1807335.77	6542442.42	149.71	150.61		
E-10	1807401.97	6542375.29	148.81	149.85		
E-11	1807379.04	6542319.30	149.01	149.81		
E-12	1807428.32	6542425.21	149.23	150.07		

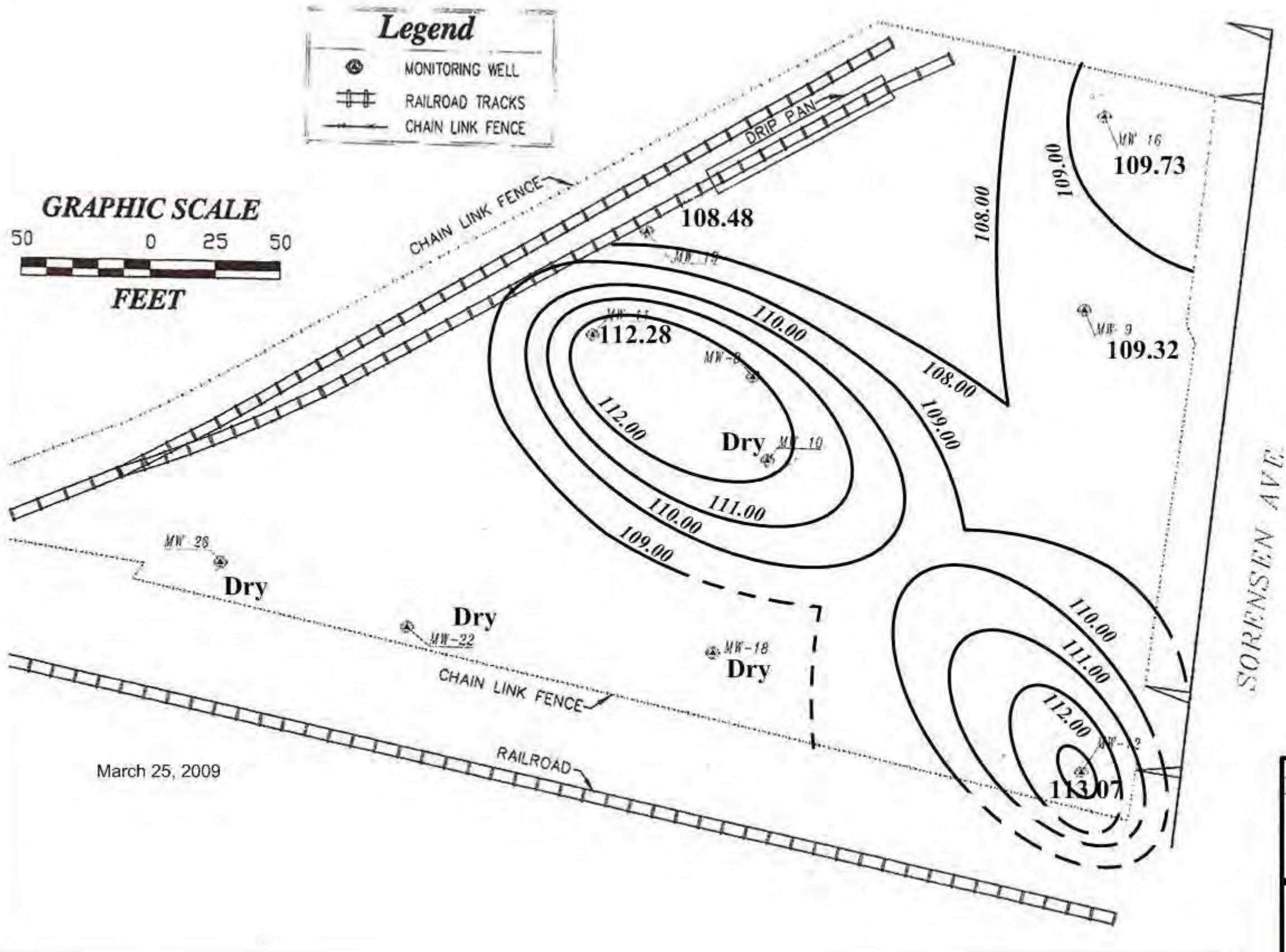
SURVEYED: JULY 25, 2003

MONITORING WELLS						
WELL	NORTH	EAST	TOC (ELEVATION)	TOR (ELEVATION)	FS (ELEVATION)	BY
MW-22	1807326.51	6542428.35	150.67	150.90	150.89	
MW-23	1807510.02	6542683.65	148.42	148.95	148.89	
MW-24	1807306.78	6542551.71	149.90	150.33	150.25	
MW-25	1807331.43	6542402.38	150.84	151.05	151.04	
MW-26	1807349.30	6542355.86	150.83	151.04	151.02	

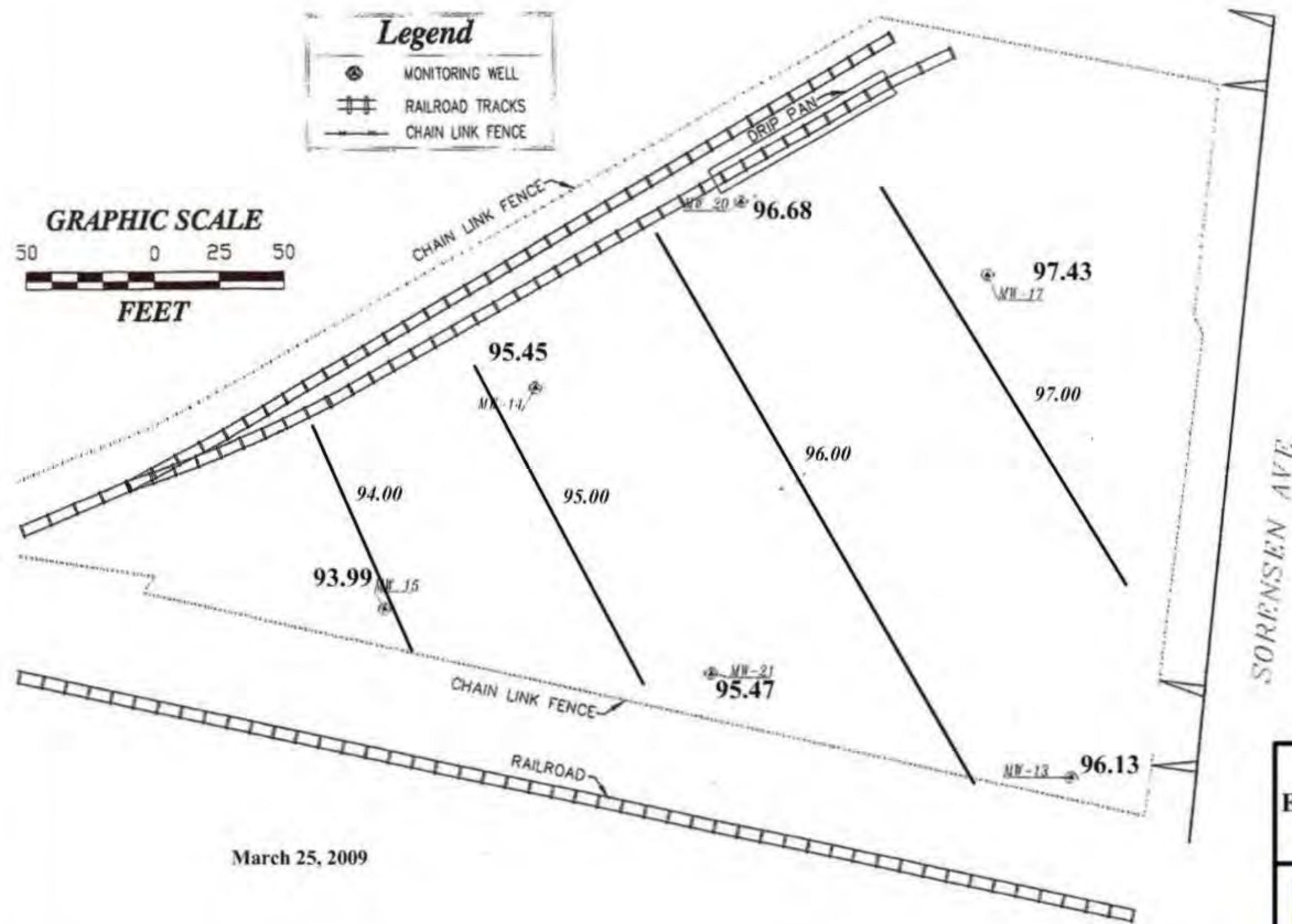
SURVEYED: JULY 25, 2003

BORING LOCATION						
BORING	NORTH	EAST	ELEVATION	BY		
BSB-18	1807396.50	6542366.10	150.02			

NO.	DATE	REVISIONS	BY
0	12-23-02	SUBMITTAL	DG
1	05-30-03 ADD WELLS E-1-E-7,E-9,E-11,E-12	BK	
2	07-25-03 ADD MW-22 THROUGH MW-26 & BSB-18	DG	

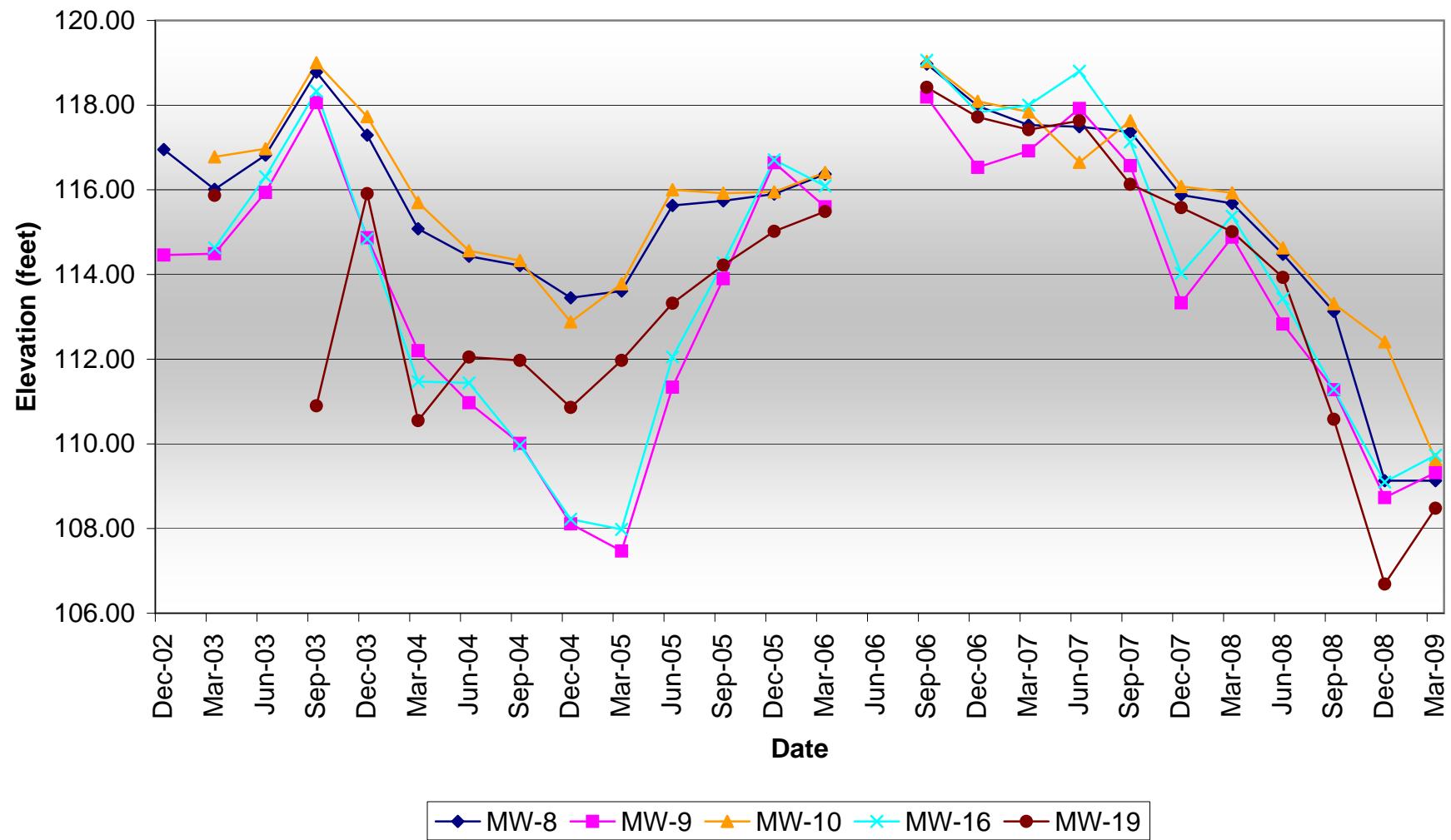


**First Water Groundwater Elevation  
Contour Map (feet above mean sea  
level)**

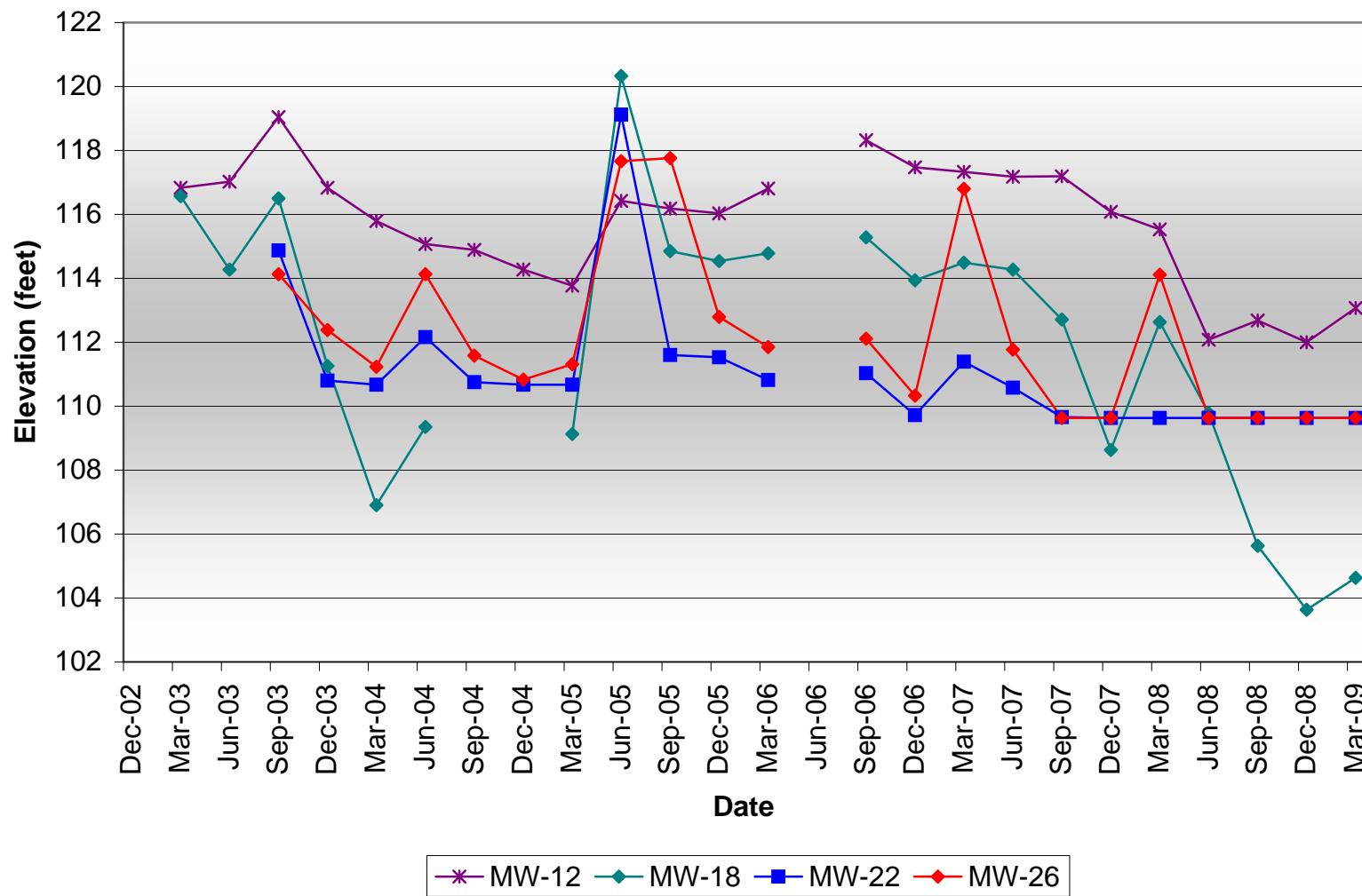


Upper A1 Zone Groundwater  
Elevation Contour Map (feet above  
mean sea level)

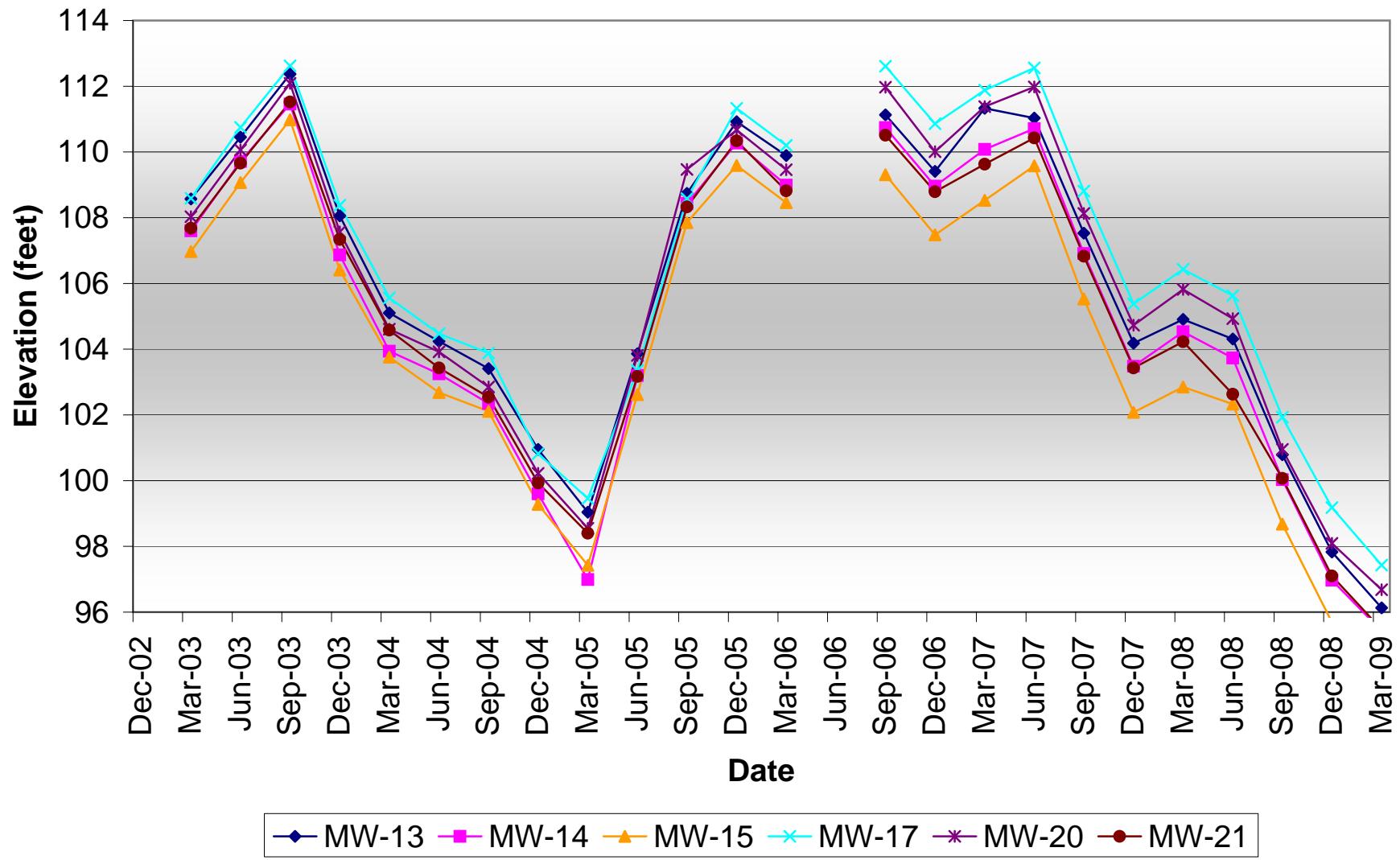
**Figure 5: First Water Groundwater Elevations from Central and Northern Wells**



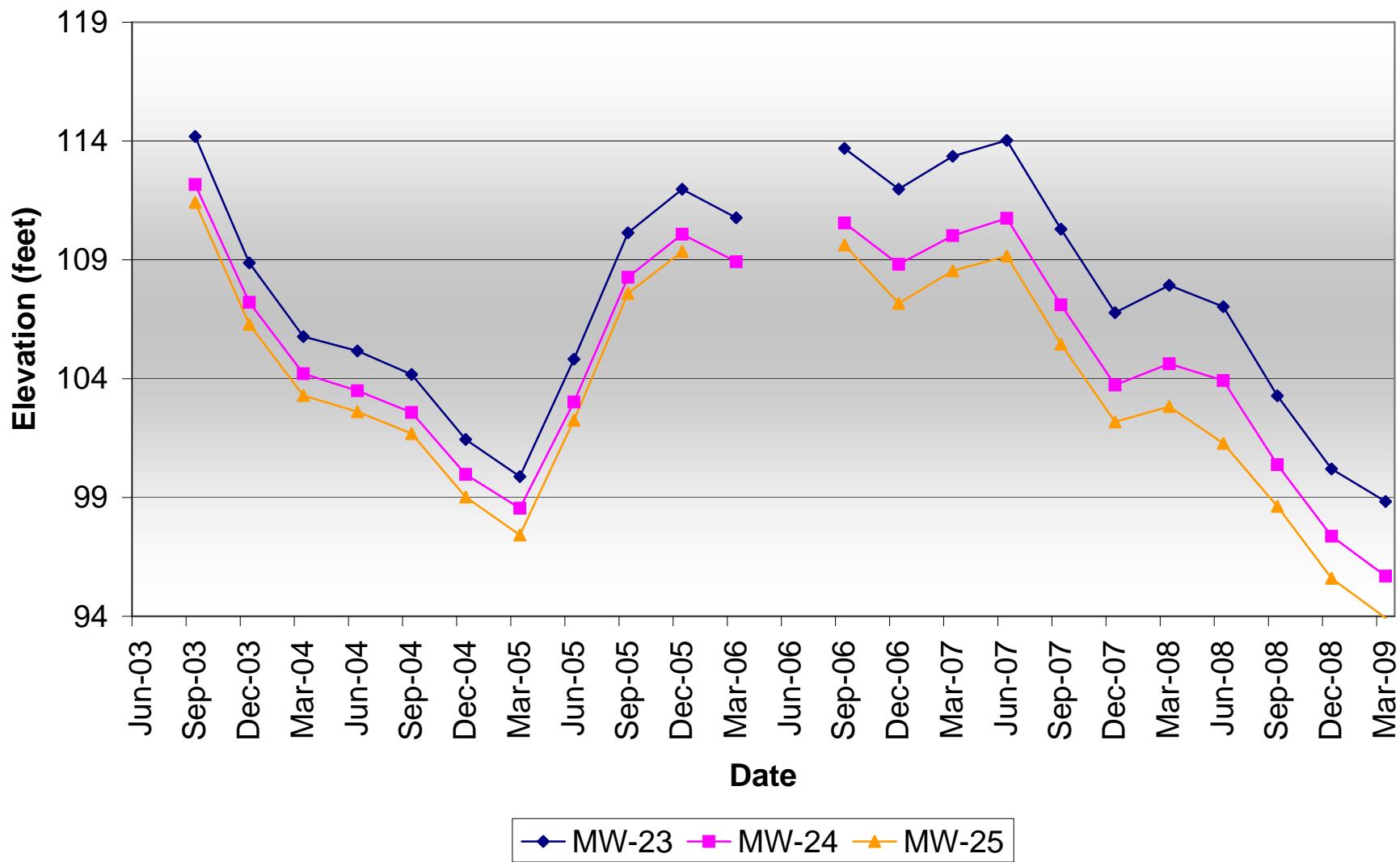
**Figure 6: First Water Groundwater Elevations from Southern Wells**

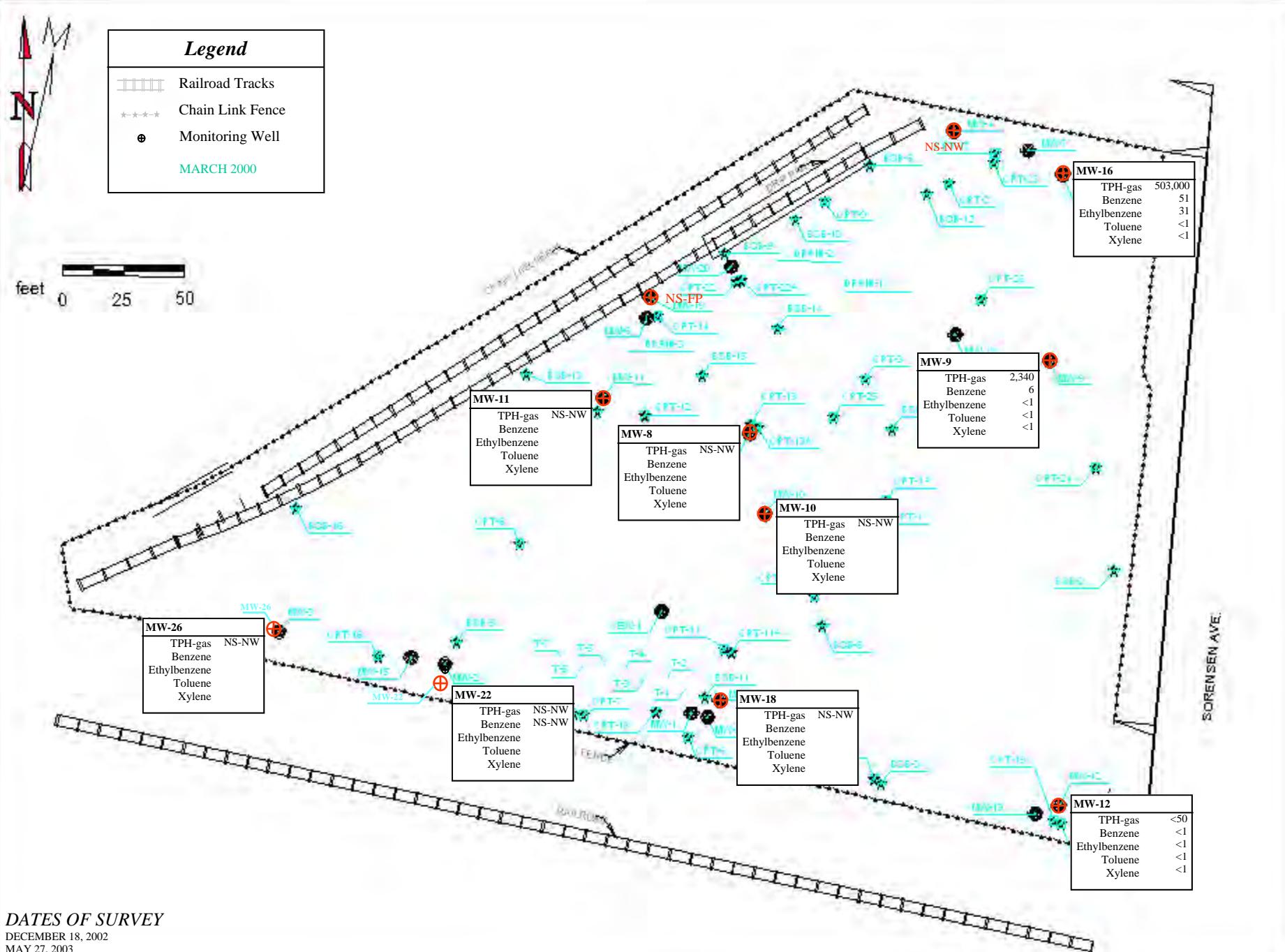


**Figure 7: Upper A1 Groundwater Elevations**



**Figure 8: Lower A1 Groundwater Elevations**





#### DATES OF SURVEY

DECEMBER 18, 2002

MAY 27, 2003

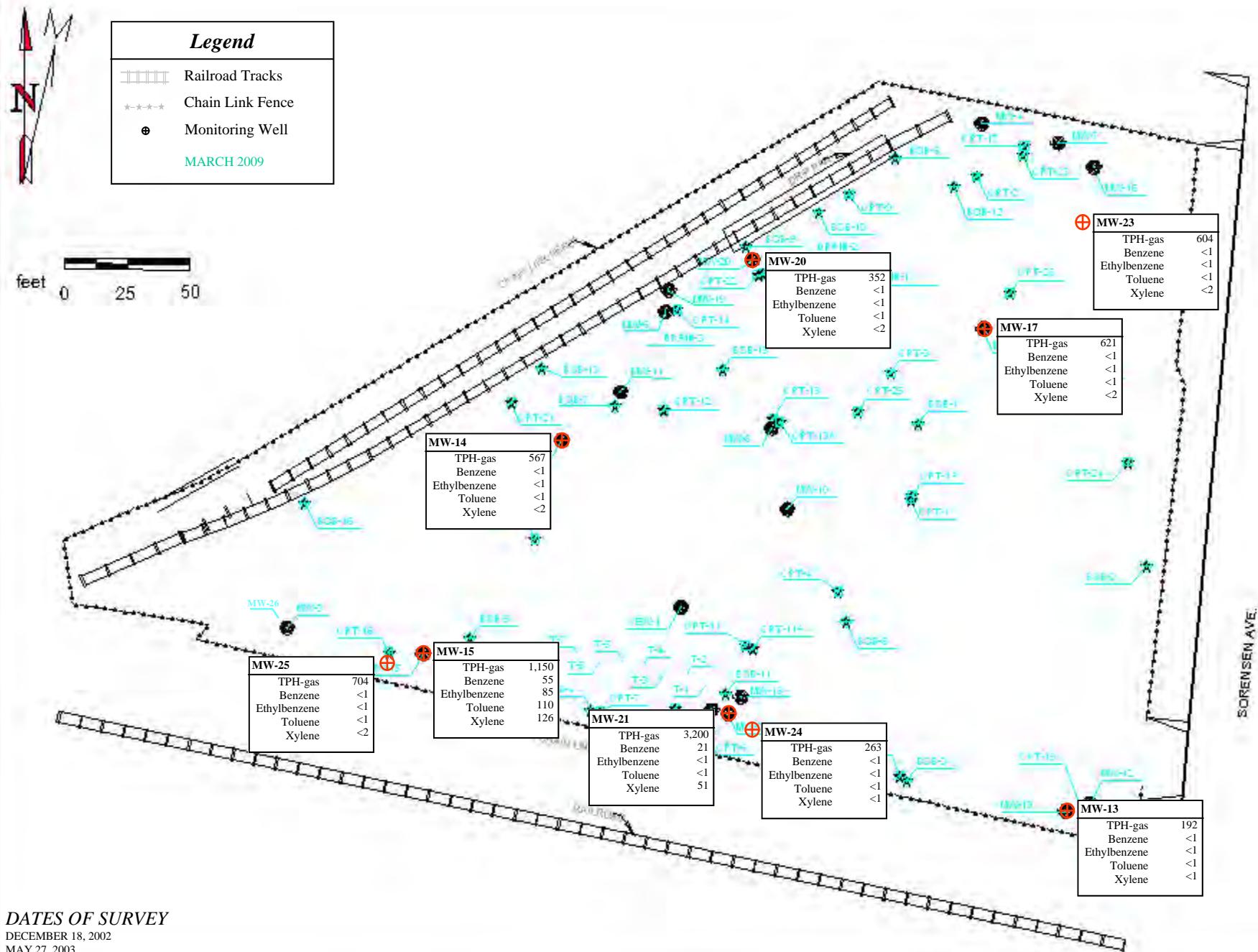
JULY 25, 2003

Prepared by  
Clean Soil, Inc.  
23811 Washington Avenue Suite 241  
Murrieta, CA 92562

#### TPH-gas and BTEX Concentrations in First Water ( $\mu\text{g/L}$ )

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE  
9



#### DATES OF SURVEY

DECEMBER 18, 2002

MAY 27, 2003

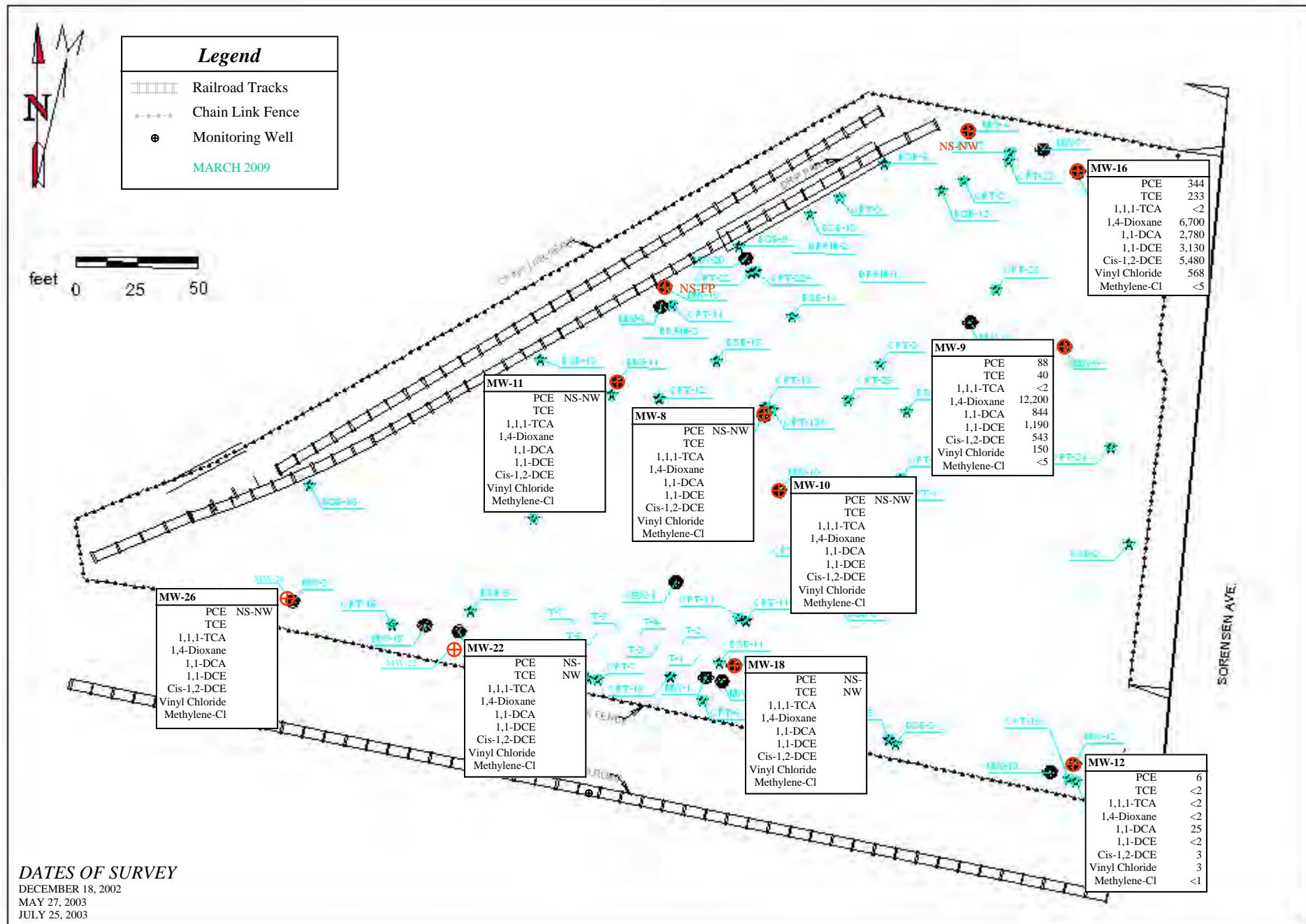
JULY 25, 2003

Prepared by  
Clean Soil, Inc.  
23811 Washington Avenue Suite 241  
Murrieta, CA 92562

#### TPH-gas and BTEX Concentrations in Upper and Lower A1 Zones (µg/L)

Former Angeles Chemical Company, 8915 Sorenson Ave., Santa Fe Springs, CA 90670

FIGURE  
10



Prepared by  
Clean Soil, Inc.  
23811 Washington Avenue Suite 241  
Murrieta, CA 92562

**Chlorinated VOC's and 1,4 Dioxane Concentrations in First Water (µg/L)**  
Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

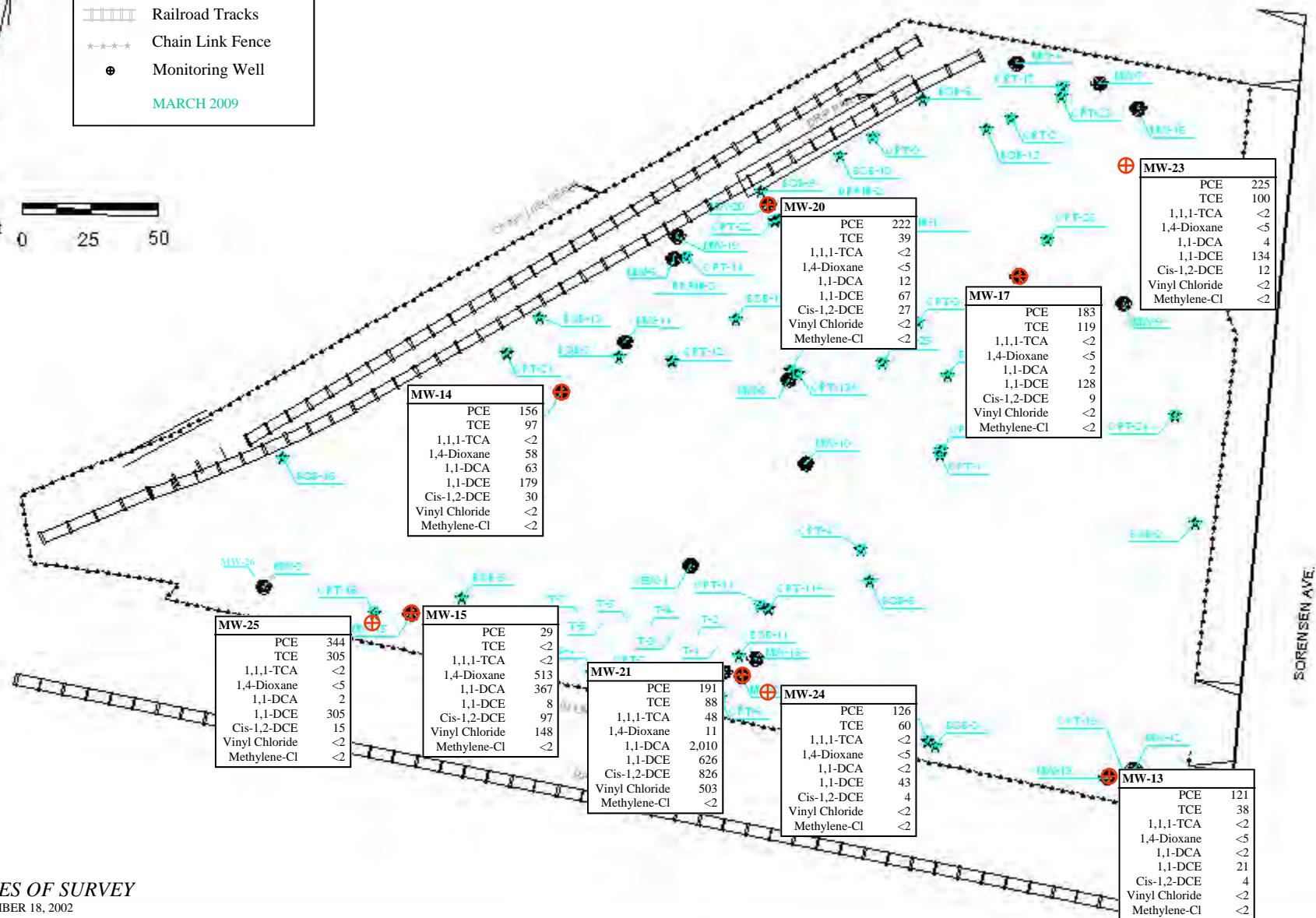
FIGURE  
**11**



Legend	
Railroad Tracks	
Chain Link Fence	*-*-*-*
Monitoring Well	⊕

MARCH 2009

feet  
0 25 50



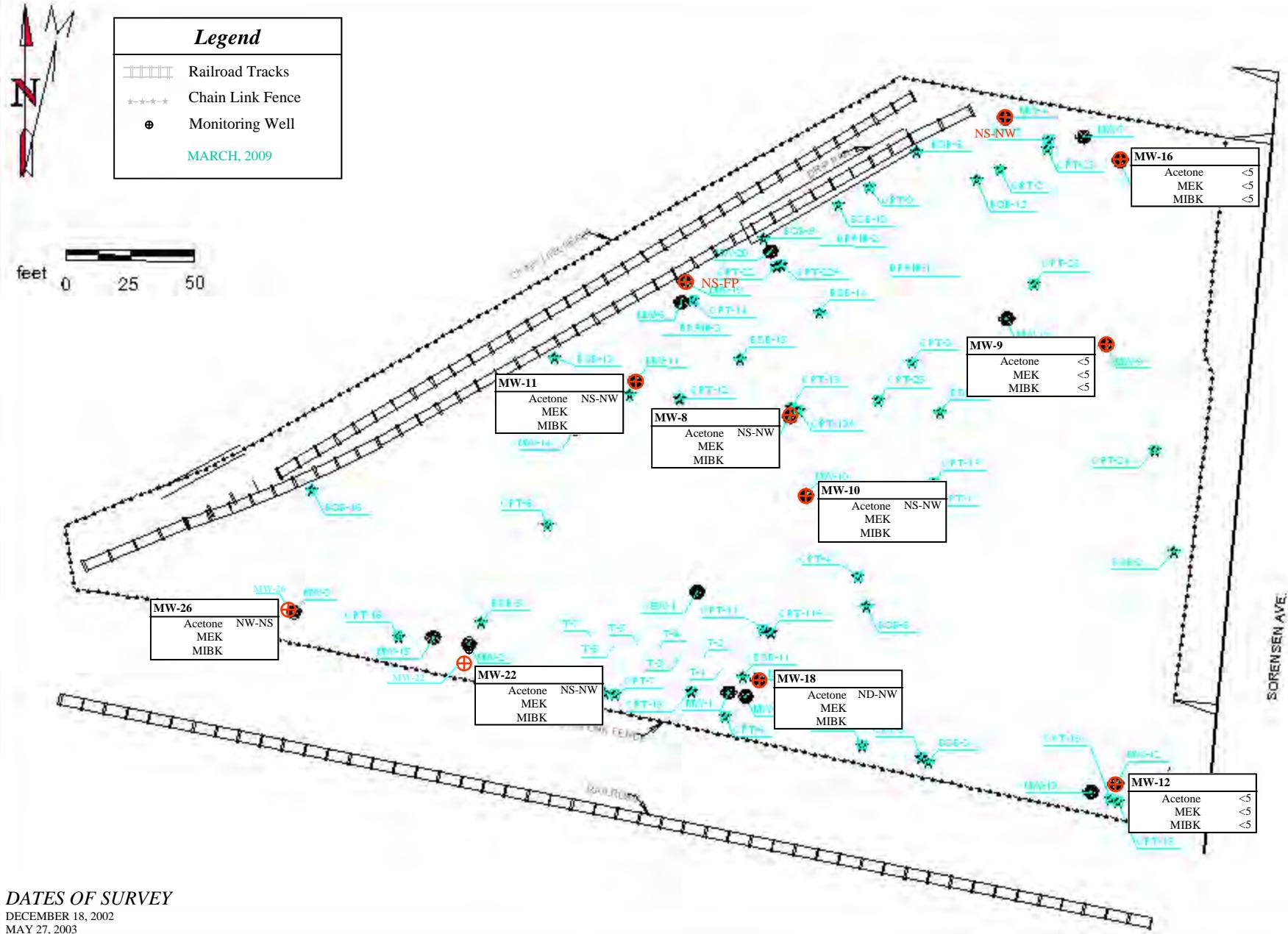
**DATES OF SURVEY**  
DECEMBER 18, 2002  
MAY 27, 2003  
JULY 25, 2003

Prepared by  
Clean Soil, Inc.  
23811 Washington Avenue Suite 241  
Murrieta, CA 92562

### Chlorinated VOC's and 1,4 Dioxane Concentrations in Upper and Lower A1 Zones ( $\mu\text{g/L}$ )

Former Angeles Chemical Company, 8915 Sorenson Ave., Santa Fe Springs, CA 90670

FIGURE  
12



#### DATES OF SURVEY

DECEMBER 18, 2002  
MAY 27, 2003  
JULY 25, 2003

Prepared by  
Clean Soil, Inc.  
23811 Washington Avenue Suite 241  
Murrieta, CA 92562

Acetone, MEK and MIBK Concentrations in First Water ( $\mu\text{g/L}$ )

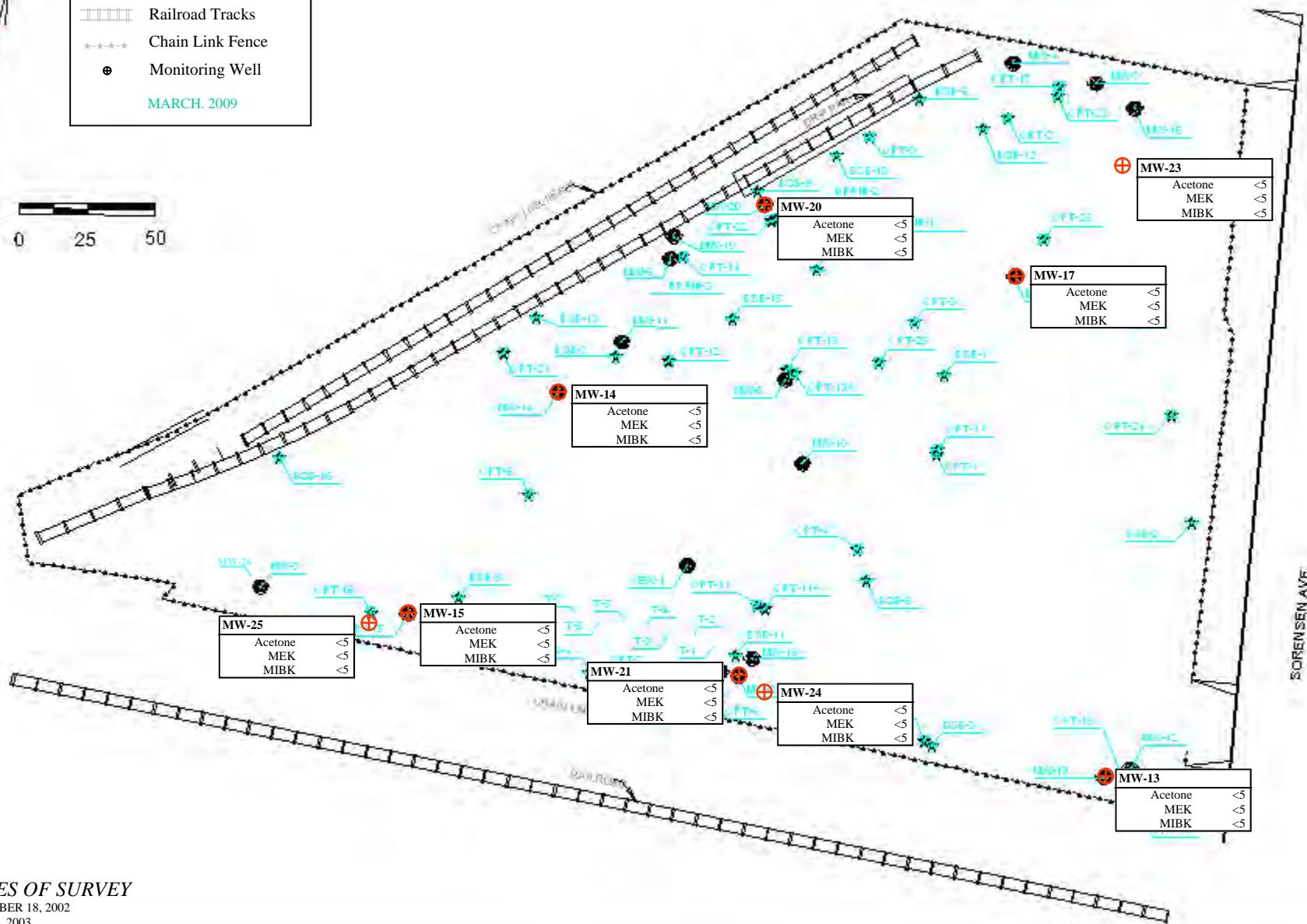
Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE  
13



Legend	
Railroad Tracks	
Chain Link Fence	*-*-*--*
Monitoring Well	●
MARCH, 2009	

feet  
0 25 50



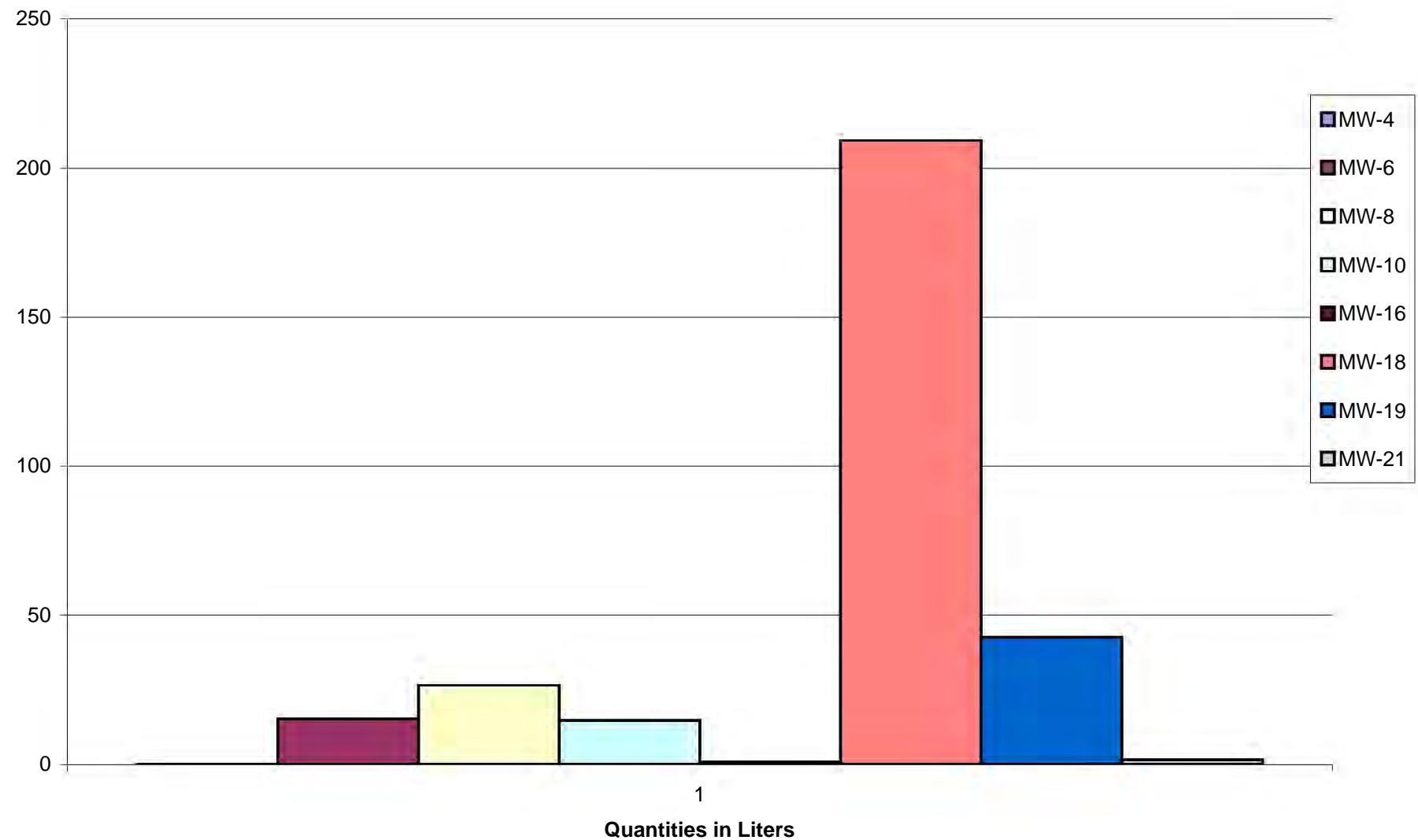
**DATES OF SURVEY**  
DECEMBER 18, 2002  
MAY 27, 2003  
JULY 25, 2003

Prepared by  
Clean Soil, Inc.  
23811 Washington Avenue Suite 241  
Murrieta, CA 92562

Acetone, MEK and MIBK Concentrations in Upper and Lower A1 Zones ( $\mu\text{g/L}$ )  
Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE  
14

**Figure 15 Free Product Removal To Date**



## **TABLES**

Table 1: Well and Screen Elevations and Groundwater Depths to Water and Elevations (in feet)

	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
Well Elevation (TOC)		NA	150.42	150.79	148.27	149.39	148.62	149.63	149.16	149.41	149.12	150.09	150.22	150.66	150.60	148.32	149.03	149.63	149.20	149.14	150.02	150.67	148.42	149.90	150.64	150.83		
Screened Interval (bg)	40 - 60	30 - 50	29 - 49	17 - 27	20 - 30	34 - 55	30.5-40.5	30.5-45.5	25 - 40	30 - 40	52 - 62	55 - 65	54 - 64	29 - 46	56 - 66	21 - 46	30 - 45	57 - 67	53 - 63	30 - 40	71 - 81	67 - 77	71 - 81	30 - 40				
Screen Elevation																												
Top	NA	120.42	121.79	131.27	129.39	114.62	119.13	118.66	124.41	119.12	120.09	98.22	95.66	96.60	119.32	93.03	128.63	119.20	92.14	97.02	120.67	77.42	82.90	79.64	120.83			
Bottom	NA	100.42	101.79	121.27	119.39	93.62	109.13	103.66	109.41	109.12	110.09	88.22	85.66	86.60	102.32	83.03	103.63	104.20	82.14	87.02	110.67	67.42	72.90	69.64	110.83			
		20.00	20.00	10.00	10.00	21.00	10.00	15.00	15.00	10.00	10.00	10.00	10.00	10.00	10.00	17.00	10.00	25.00	15.00	10.00	10.00	10.00	10.00	10.00	10.00			
Depth to Water (bg)																												
2/1/1994	30.05'	28.80	29.70	23.35	24.85	24.53																						
11/1/2000	35.62'	35.25	36.42	26.20	28.52	28.19																						
10/1/2001	37.41'	37.91	39.19	26.35	NA	28.70																						
11/15/2001	NA	NA	NA	26.36	28.85	NA																						
2/15/2002	36.2'	36.39	37.39	26.44	30.32	29.21																						
6/14/2002	37.92'	38.75	39.19	26.46	NA	30.07	30.91	30.98																				
10/7/2002	42.45'	43.66	44.66	26.48	30.28	34.11	32.68	34.70																				
12/17/2002	NA	43.19	44.22	26.28	FP only	34.03	33.62	34.67	32.63	32.71	33.26	41.65	43.06	43.63	33.69	40.44	33.06	33.33	41.11	42.34								
3/10/2003	NA	41.07	41.35	26.36	FP only	33.18	32.81	33.22	32.44	32.49	33.07	39.77	40.95	41.53	32.01	38.28	35.36	33.42	39.08	40.36								
6/9/2003	NA	39.98	39.95	26.35	FP only	30.44	30.85	31.10	30.41	30.15	31.05	37.85	39.20	39.62	29.99	36.41	33.13	38.30	37.05	38.50	35.80	34.23	37.73	39.22	36.70			
9/9/2003	NA	NA	26.41	FP only	NA	32.34	34.29	31.68	31.84	33.26	42.16	43.79	44.19	33.48	40.65	38.37	33.29	41.57	42.68	39.87	39.55	42.69	44.35	38.45				
12/9/2003	NA	NA	NA	26.39	FP only	NA	34.55	36.96	33.71	33.73	34.30	45.12	46.72	46.84	36.85	43.47	42.73	38.65	44.53	45.44	Dry	42.65	45.69	47.35	39.60			
3/18/2004	NA	NA	NA	26.41	FP only	NA	35.20	38.19	34.85	34.36	35.02	45.98	47.41	47.92	36.88	44.56	40.28	37.15	45.22	46.59	38.51	43.25	46.41	48.03	36.70			
6/4/2004	NA	NA	NA	26.40	FP only	NA	35.42	39.15	35.08	35.38	35.20	46.81	48.31	48.49	38.36	45.15	45.74	37.23	46.29	47.48	39.92	44.24	47.32	48.95	39.25			
9/4/2004	NA	NA	NA	26.42	FP only	NA	36.18	41.05	36.53	35.92	35.82	49.27	51.06	51.32	40.10	48.21	FP only	38.34	48.92	50.09	Dry	46.98	49.93	51.62	NA			
12/4/2004	NA	NA	NA	26.47	29.80	NA	36.02	41.69	35.63	36.26	36.32	51.18	52.71	53.18	40.34	49.57	40.50	37.23	50.59	51.62	Dry	48.54	51.35	53.22	39.52			
3/15/2005	NA	NA	NA	26.43	29.90	NA	34.00	37.82	33.41	34.66	33.67	46.36	46.50	47.98	36.27	45.68	29.30	35.88	45.33	46.85	31.55	43.60	46.88	48.39	33.17			
6/15/2005	NA	NA	NA	Dry	29.90	NA	33.89	35.26	33.49	34.12	33.91	41.48	41.27	42.75	34.05	40.45	34.78	34.98	39.67	41.69	39.07	38.28	41.63	43.05	33.07			
9/19/2005	NA	NA	NA	Dry	29.91	NA	33.73	32.52	33.46	33.75	34.06	39.30	41.01	31.61	37.70	35.09	34.18	38.47	39.68	39.14	36.45	39.82	41.29	38.04				
12/16/2005	NA	NA	NA	26.59	29.90	NA	33.26	33.56	33.00	32.71	33.28	40.33	40.72	42.14	32.23	38.83	34.85	33.71	39.68	41.20	39.88	37.65	40.98	42.44	38.98			
3/24/2006	NA	NA	NA	26.50	29.89	NA	31.39	32.80	31.03	31.55	31.67	39.47	39.76	41.13	31.54	37.91	33.99	32.49	38.56	39.99	37.45	36.76	39.76	39.91	32.21			
6/16/2006																												
9/19/2006	NA	NA	NA	26.51	29.99	NA	30.66	31.44	30.60	29.73	31.31	38.50	38.89	40.32	30.57	37.02	34.35	31.21	37.66	39.12	38.60	35.94	39.08	40.00	37.52			
12/7/2006	NA	NA	NA	26.48	29.87	NA	31.65	33.10	31.54	31.15	32.16	40.22	40.67	42.15	31.80	38.77	35.69	31.91	39.62	40.84	39.91	37.65	40.82	42.46	39.30			
3/7/2007	NA	NA	NA	26.60	29.88	NA	32.10	32.7																				

**Table 2: TPH-gas and VOCs from Free Product Sample Results using  
EPA Methods 8015 and 8260 (mg/L)**

	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
Screened Interval ( feet bg)		20-30	30.5-40.5	25-40	29-46	21-46	30-45
TPH-gas	Jun-02	812,000,000	801,000,000	NA	NA	NA	NA
	Dec-03	NA	NA	NA	455,000,000	NA	425,000,000
	Mar-04	NA	NA	446,000	NA	NA	NA
	Dec-07						
VOCs							
Acetone	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
	Dec-07					897,000	
Benzene	Oct-01	110,000*					
	Mar-04	NA	NA	<250,000	NA	<250,000	365,000
	Sep-04	NA	<100,000	<100,000	NA	NA	464,000
	Dec-07						
2-Butanone (MEK)	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
	Dec-07						
Chloroethane	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
1,1-Dichloroethane	Oct-01	592,000*					
	Mar-04	NA	NA	3,190,000	NA	1,590,000	625,000
	Sep-04	NA	4,040,000	5,740,000	NA	NA	1,326,000
	Dec-07						
1,2-Dichloroethane	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
1,1-Dichloroethene	Oct-01	417,000*					
	Mar-04	NA	NA	730,000	NA	928,000	4,840,000
	Sep-04	NA	782,000	710,000	NA	NA	5,860,000
	Dec-07						
cis 1,2-Dichloroethene	Oct-01	1,060,000*					
	Mar-04	NA	NA	1,530,000	NA	1,620,000	1,630,000
	Sep-04	NA	1,765,000	1,900,000	NA	NA	2,793,000
	Dec-07						
trans 1,2-Dichloroethene	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
1,4 Dioxane	Mar-04	NA	NA	<12,500,000	NA	<12,500,000	<12,500,000
	Sep-04	NA	<5,000,000	<5,000,000	NA	NA	<5,000,000
	Dec-07						
Ethylbenzene	Oct-01	4,320,000*					
	Mar-04	NA	NA	5,330,000	NS-FP	7,080,000	6,960,000
	Sep-04	NA	5,910,000	7,280,000	NA	NA	8,770,000
	Dec-07					13,400,000	

Table 2 (Cont): TPH-gas and VOCs from Free Product Sample Results using EPA Methods 8015 and 8260 (mg/L)							
VOCs	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
<b>Methylene Chloride</b>	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<200,000	<200,000	NA	NA	<200,000
	Dec-07						
<b>4-Methyl-2-pentanone</b>	Oct-01	<25,000*					
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
	Sep-04	NA	<2,500,000	<2,500,000	NA	NA	<2,500,000
	Dec-07						
<b>Naphthalene</b>	Oct-01	1,680,000*					
	Mar-04	NA	NA	1,980,000	NA	1,620,000	4,120,000
	Sep-04	NA	3,260,000	2,890,000	NA	NA	6,000,000
	Dec-07					2,570,000	
<b>n-Propylbenzene</b>	Mar-04	NS-FP	NS-FP	2,820,000	NA	3,230,000	2,980,000
	Sep-04	NA	3,787,000	3,700,000	NA	NA	4,240,000
	Dec-07					5,700,000	
<b>Tetrachloroethene</b>	Oct-01	531,000*					
	Mar-04	NA	NA	<500,000	NA	543,000	4,820,000
	Sep-04	NA	<200,000	<200,000	NA	NA	2,870,000
	Dec-07						
<b>1,1,1-Trichloroethane</b>	Oct-01	28,100,000*					
	Mar-04	NA	NA	8,870,000	NA	4,140,000	35,000,000
	Sep-04	NA	5,460,000	7,330,000	NA	NA	45,700,000
	Dec-07						
<b>Trichloroethene</b>	Oct-01	753,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	560,000
	Sep-04	NA	<200,000	<200,000	NA	NA	300,000
	Dec-07						
<b>1,2,4-Trimethylbenzene</b>	Oct-01	22,100,000*					
	Mar-04	NA	NA	31,900,000	NA	30,600,000	45,400,000
	Sep-04	NA	43,400,000	37,000,000	NA	NA	60,100,000
	Dec-07					44,800,000	
<b>1,3,5-Trimethylbenzene</b>	Oct-01	5,400,000*					
	Mar-04	NA	NA	8,560,000	NA	9,020,000	9,480,000
	Sep-04	NA	11,746,000	10,100,000	NA	NA	13,500,000
	Dec-07					12,600,000	
<b>Toluene</b>	Oct-01	9,010,000*					
	Mar-04	NA	NA	8,620,000	NA	15,300,000	11,400,000
	Sep-04	NA	9,010,000	15,200,000	NA	NA	16,400,000
	Dec-07					22,500,000	
<b>Vinyl Chloride</b>	Oct-01	<5,000*					
	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
	Sep-04	NA	<100,000	<100,000	NA	NA	<100,000
	Dec-07						
<b>Xylenes</b>	Oct-01	10,370,000*					
	Mar-04	NA	NA	17,600,000	NA	22,500,000	16,000,000
	Sep-04	NA	21,400,000	26,300,000	NA	NA	22,100,000
	Dec-07					65,300,000	

NA= Not Analyzed.

Blue= Chemicals stored on-site.

Red= Transformation compounds.

Table 3: TPH-gas Groundwater Sample Results using EPA Method 8015 ( $\mu\text{g/L}$ )																											
	Date	*MW-1	*MW-2	*MW-3	MW-4	MW-6	*MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	
Screened Interval (bg)		40-60	30-50	29-49	17-27	20-30	34-55	30.5-40.5	30.5-45.5	25-40	30-40	30-40	52-62	55-65	54-64	29-46	56-66	21-46	30-45	57-67	53-63	30-40	71-81	67-77	71-81	30-40	
TPH-gas	Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Nov-00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Oct-01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Feb-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Jun-02	724,000	14,600	22,500	NS-FP	Table 2	8,530	Table 2	22,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Oct-02	52,300	7,370	29,900	NS-FP	NS-FP	5,300	52300	1,730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dec-02	NA	9,330	11,400	NS-FP	NS-FP	6,250	NS-FP	1,530	68,300	22,600	9,420	98	7,130	326	3,250	77	41,700	107,000	61	405						
	Mar-03	NA	15,600	12,200	NS-FP	NS-FP	3,470	NS-FP	2,500	85,100	24,700	1,730	<50	1,480	270	5,350	<50	83,900	177,000	52	745						
	Jun-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Sep-03	NA	NA	NA	NA	NA	NA	NA	1,280	69,600	30,200	1,300	106	89	226	1,460	<50	44,900	NA	<50	998	NS-NW	<50	<50	<50	26,400	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,280	77,200	51,500	5,390	64	521	790	Table 2	<50	40,600	Table 2	1080	2,140	NS-NW	NA	NA	NA	NS-NW	
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,430	Table 2	43,500	4,410	<50	154	1,680	NS-FP	<50	NS-FP	NS-FP	<50	2,650	3,060	NA	NA	NA	41,600	
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,350	NS-FP	43,300	1,780	<50	120	172	NS-FP	<50	NS-FP	NS-FP	<50	511	NA	NA	NA	NA	NA	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,500	NS-FP	62,400	1,730	224	484	1,040	NS-FP	<50	NS-FP	NS-FP	<50	8,090	NS-NW	NA	NA	NA	NS	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,530	NS-FP	95,500	2,290	205	225	319	NS-FP	129	NS-FP	NS-FP	139	NS-FP	NS-NW	140	213	198	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	41,100	2,120	NS-FP	47,600	1,890	239	173	3,080	59,400	145	NS-FP	NS-FP	146	NS-FP	3,440	103	134	181	75,600
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	48,600	1,580	326,000	41,000	1,880	259	433	3,890	73,000	126	NS-FP	NS-FP	79.4	NS-FP	3,360	90.3	177	117	64,300
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	52,000	3,390	144,000	991,000	1,540	155	1,250	293	45,700	97.9	NS-FP	NS-FP	111	NS-FP	2,700	153	150	113	40,300
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	64,600	3,600	87,100	238,000	1,470	92.1	180	885	21,800	104	NS-FP	NS-FP	81.5	NS-FP	NS-NW	288	341	165	158,000
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	NA	1,960	44,100	41,500	83.3	195	69	234	NA	<50	NS-FP	NS-FP	106	NS-FP	NA	NA	NA	NA	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	29,100	2,410	42,200	63,800	57.6	181	383	1,660	NA	<50	NS-FP	NS-FP	<50	NA	NA	NA	NA	NA	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	43,600	3,840	38,800	788,000	97.9	<50	582	1,840	NA	51.1	NA	NS-FP	92.1	NA	NA	NA	NA	NA	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	48,000	2,620	43,400	477,000	184	55.2	566	1,460	NA	88.3	NS-FP	NS-FP	104	NA	NS-NW	NA	NA	NA	NS-NW
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	10,500	2,800	39,100	80,600	ND	409	739	4,400	13,100	59.9	367,000	NS-FP	137	3390	91	194	211	126	58,500
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	12,700	2,540	18,900	29,500	ND	268	495	2,890	9,400	83	271,000	NS-FP	194	3270	123				35,800
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	23,200	1,950	23,900	33,400	ND	367	522	1,630	18,500	59	194,000	NS-FP	125	4480	NS-NW	152	358	241	NS-NW
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	9,190	2,320	19,400	40,300	304	284	764	200	11,000	145	NS-FP	NS-FP	93	4580	NS-NW	190	354	528	NS-NW
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	14,300	2,100	20,400	25,700	135	260	789	310	9,770	210	NS-FP	NS-FP	153	5,210	NS-NW	414	402	154	40,900
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	15,600	3,750	37,200	34,900	447	408	1110	263	12,000	173	NS-FP	NS-FP	154	5,280	NS-NW	641	552	1110	NS-NW
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	13,100	3,420	22,100	22,400	386	341	881	259	9,910	539	NS-FP	NS-FP	291	5,370					

**Table 4: Detected VOCs from Groundwater Sample Results using EPA Method 8260 (**

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8**

VOCs		Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26					
2-Butanone (MEK)		Feb-94	NA	NA	NA	NA	NA	NA	NA																							
		Nov-00	3,100	<10,000	<10,000	NS-FP	NS-FP	1,400																								
		Oct-01	<1,250	<250	500	NS-NW	Table 2	980																								
		Feb-02	<625	<62.5	<500	NS-FP	NS-FP	<50																								
		Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																						
		Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																						
		Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	10300	15,300	1,160	<125	<25	<625	<250	<1,250	<25	9,300	18,500	<25	<125										
		Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	21,100	15,600	<250	<25	<625	<250	<625	<25	23,900	28,900	<25	<125										
		Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	20,200	5,860	<125	<25	<25	<62.5	<125	<25	29,800	43,800	<62.5	<5	<250	<25	<25	<25	11,300					
		Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	58,000	5,580	<12.5	<5	<5	<10	<125	<5	32,000	NS-FP	<5	<25	NS-NW	<5	<5	<5	11,000					
		Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	4,080	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	23,700	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	Table 5	Table 5	6,050			
		Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	13,600	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	Table 5	Table 5				
		Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	2,260					
		Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA					
		Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	<5	NS-FP	NS-NW	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	NS-NW				
		Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	18,000	<12.5	<5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	9,250					
		Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	<500	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	10,500					
		Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	1,800					
		Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	4,120					
		Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<1000	<100	<1000	<1000	<5	<5	<5	<10	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	NA	781J				
		Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<500	<5	<5	<10	<25	<100	<5	NS-FP	NS-FP	<5	<50	<50	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	6,350					
		Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<1,250	<5	<5	<10	<50	<100	<5	562J	NS-FP	<5	<125	<50	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	1,970J					
		Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<500	<1,000	<5	<5	<10	<10	<100	<5	NS-FP	NS-FP	<5	<250	NS-NW	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	NS-NW					
		Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,610				
		Jun-07	NA	NA	NA	NS-NM	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,460				
		Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW				
		Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW				
		Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	ND	ND	2,030			
		Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW			
		Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-NW		
		Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	<5.0	NS-NW	NS-NW	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-NW		
		Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	<5.0	NS-NW	NS-NW	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-NW			
Chloroethane		Feb-02	<125	119	<100	NS-FP	NS-FP	17																								
		Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																						
		Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																						
		Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25										
		Mar-03	NA	<1,000	<500	NS-FP	NS-FP	248	NS-FP	<25	<1,000	989	<50	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25										
		Jun-03	NA	4,500	11,500	NS-FP	NS-FP	311	NS-FP	<20	5,000	760	<10	<2	<2	<5	<50	<2	1,970	2,860	<5	<2	<20	<2	<2	<2	<2	<100				
		Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	940	1,700	<5	<2	<2	<4	<50	<2	460	NS-FP	<2	<10	NS-NW	<2	<2	<2	<2	<100				
		Dec-03	NA	NA	NA	NS-FP																										

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ( $\mu\text{g/L}$ )																										
VOCs	Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
1,1-Dichloroethane (1,1-DCA)	Feb-94	649	1,130	85	1410	2,260	2,130																			
	Nov-00	17,000	1,800	800	NS-FP	NS-FP	2,800																			
	Oct-01	8,190	1,500	1,030	NS-NW	Table 2	2,670																			
	Feb-02	20,600	2,310	1,350	NS-FP	NS-FP	5,490																			
	Jun-02	18,900	2,700	1,340	NS-FP	NS-FP	4,150	NS-FP	1,210																	
	Oct-02	10,400	2,550	1,130	NS-FP	NS-FP	5,680	NS-FP	1,390																	
	Dec-02	NA	1,920	1,190	NS-FP	NS-FP	3,530	NS-FP	1,190	42,400	19,400	3,930	17.3	171	79.8	3,930	13	4,390	5,150	16.2	141					
	Mar-03	NA	2,180	1,710	NS-FP	NS-FP	3,750	NS-FP	1,020	41,900	48,800	1,600	6.4	150	117	3,130	2.5	6,700	5,110	18	276					
	Jun-03	NA	1,140	1,020	NS-FP	NS-FP	3,470	NS-FP	1,480	51,700	37,800	354	11.5	<2	107	3,330	<2	9,820	6,840	47.6	535	1,200	<2	<2	<2	931
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,950	47,400	43,000	505	<2	101	88	4,450	<2	7,040	NS-FP	28.5	1,370	NS-NW	3.1	<2	5	1,670
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	50	53,500	49,200	735	2.3	219	262	NS-FP	<2	5,440	NS-FP	123	2,300	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	965	Table 2	52,700	485	2.5	110	672	NS-FP	<1	Table 2	Table 2	89.2	2,240	1,900	Table 5	Table 5	Table 5	3,620
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	910	NS-FP	55,000	300	8.8	45.9	53.6	NS-FP	4.3	NS-FP	NS-FP	12.8	203	NS-NW	<1	<1	<1	1,750
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	628	NS-FP	29,400	160	2.8	151	168	NS-FP	<1	NS-FP	NS-FP	2.5	2,760	NS-NW	2.9	52.1	<1	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	496	NS-FP	85,300	156	17.4	101	101	NS-FP	<1	NS-FP	NS-FP	1.9	NS-FP	NS-NW	<1 <sup>SM</sup>	<1 <sup>SM</sup>	<1 <sup>SM</sup>	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	22,300	1,230	NS-FP	34,800	191	15.5	63.6	693	3,030	<1	NS-FP	NS-FP	7.7	NS-FP	1,390	9.4 <sup>SM</sup>	2.3 <sup>SM</sup>	<1 <sup>SM</sup>	1,670
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	23,000	1,640	44,000	27,900	49.1	11.5	181	961	2,590	<1	NS-FP	NS-FP	7.3	NS-FP	1,620	6.3 <sup>SM</sup>	1 <sup>SM</sup>	<1 <sup>SM</sup>	2,010
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	45,000	2,570	46,600	45,200	63.4	8.9	151	108	4,060	<1	NS-FP	NS-FP	17.4	NS-FP	1,870	4.0 <sup>SM</sup>	5.4 <sup>SM</sup>	<1 <sup>SM</sup>	2,230
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	33,000	2,430	33,100	34,100	20.5	5.5	77.2	262	3,990	<1	NS-FP	NS-FP	27.1	NS-FP	NS-NW	51.5 <sup>SM</sup>	5.9 <sup>SM</sup>	<1 <sup>SM</sup>	2,300
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	25,700	2,130	26,000	41,300	1.5J	4.9J	7.9	50.3	3,390*	<1	NS-FP	NS-FP	3.6J	NS-FP	1,060	<1 <sup>SM</sup>	7.2 <sup>SM</sup>	NA	1,850
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	3,400	1,230	12,800*	49,900*	2.7	2.2	137	556	1,910	<1	NS-FP	NS-FP	8.5	1,440	597	<1 <sup>SM</sup>	1.5 <sup>SM</sup>	<1 <sup>SM</sup>	1,570
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	3,360*	1,470	12,400*	34,100	2.0	3.8	190	554	2,840	1.4J	9,660	NS-FP	16.6	920	921	<1 <sup>SM</sup>	5.0 <sup>SM</sup>	<1 <sup>SM</sup>	952
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	4,520*	1,290	8,250	33,000	2.4	3.6	199	225	2,710	<1	NS-FP	NS-FP	10.6	1,550	NS-NW	<1 <sup>SM</sup>	14.4 <sup>SM</sup>	<1 <sup>SM</sup>	NS-NW
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	7430	1,140	3,980	27,200	4.4	1.1	286	89.1	2930	ND	18,200	NS-FP	3.2	943	41	ND	3	ND	1,850
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	16,900	1,020	732	17,300	2.4	ND	201	84.9	2,230	ND	18,400	NS-FP	12.3	737	54	ND	ND	ND	1,410
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	18,500	838	589	17,300	1.9	ND	218	72.0	3,000	ND	9,500	NS-FP	ND	1,480	NS-NW	ND	2	ND	NS-NW
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	11,600	917	310	18,500	4.7	ND	319	45.0	2,530	ND	NS-FP	NS-FP	ND	3,610	NS-NW	ND	2	ND	NS-NW
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	18,900	1,150	376	10,600	7.5	ND	379	94.5	3,010	ND	NS-FP	NS-FP	ND	2,640	NS-NW	ND	ND	ND	1,790
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	10,100	1,190	640	13,500	5.4	25.5	805	10.2	1,630	3.5J	NS-FP	NS-FP	4.1J	1,670	NS-NW	110	121	202	NS-NW
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	6,080	1,140	306	4,950	12.3	<1.0	258	82	2,590	<1.0	NS-FP	NS-FP	5.2	3,660	NS-NW	<1.0	<1.0	2.5J	NS-NW
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	996	NS-NW	NS-NW	24.5	ND	375	1,300	3,500	ND	NS-NW	NS-FP	10.3	2,320	NS-NW	1	ND	1	NS-NW	
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	844	NS-NW	NS-NW	NG	ND	62.8	367	2,780	1.8</										

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ( $\mu\text{g/L}$ )																										
VOCs	Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
1,1-Dichloroethene (1,1-DCE)	Feb-94	2,210	2,460	2,800	806	1,240	151																			
	Nov-00	3,000	<500	2,900	NS-FP	NS-FP	350																			
	Oct-01	1,200	1,120	4,090	NS-NW	Table 2	355																			
	Feb-02	4,050	1,480	3,900	NS-FP	NS-FP	778																			
	Jun-02	4,900	2,090	2,690	NS-FP	NS-FP	423	NS-FP	1,540																	
	Oct-02	3,800	2,100	176	NS-FP	NS-FP	547	NS-FP	1,620																	
	Dec-02	NA	2,230	196	NS-FP	NS-FP	538	NS-FP	1,480	2,640	3,460	154	38.5	142	52.4	1,530	18.6	6,850	17,700	25.6	207					
	Mar-03	NA	2,490	1,410	NS-FP	NS-FP	213	NS-FP	1,100	2,550	2,940	16.5	16.8	125	60.8	2,470	17.1	5,290	18,600	16.5	280					
	Jun-03	NA	1,490	2,370	NS-FP	NS-FP	364	NS-FP	1,290	3,370	1,480	29.2	44.2	29.6	124	3,500	16	4,610	24,200	246	755	155	2	<2	4.2	2,340
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,620	1,760	1,050	14.5	27.2	274	98	2,470	14.2	4,260	NS-FP	45.7	1,800	NS-NW	<2	<2	<2	5,600
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	43.5	2,750	1,810	7.3	10.8	675	234	NS-FP	7.8	4,170	NS-FP	43.8	1,960	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,260	Table 2	520	7.3	6.7	264	725	NS-FP	3.8	Table 2	Table 2	21	2,540	440	Table 5	Table 5	7,740	
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,100	NS-FP	435	4.5	30.7	96.9	40.5	NS-FP	24.7	NS-FP	NS-FP	78.1	299	NS-NW	9.7	15.6	7.9	8,150
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	909	NS-FP	434	4.5	13.9	346	198	NS-FP	2.9	NS-FP	NS-FP	10.5	2,730	NS-NW	0.7	1.7	<2	NA
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	731	NS-FP	360	1.8	22.7	185	70.2	NS-FP	5.5	NS-FP	NS-FP	14.6	NS-FP	NS-NW	3.2	8.6	9.0	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,690	1,240	NS-FP	339	5.7	34.9	140	945	1,840	10.2	NS-FP	NS-FP	12.1	NS-FP	564	<2	17.7	17.5	8,040
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	12,580	1,260	2,750	418	<2	34.9	396	858	1,370	7.1	NS-FP	NS-FP	18.7	NS-FP	441	<2	16.5	5.3	9,250
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,960	2,200	1,530	911	<2	46.7	452	142	3,430	15.2	NS-FP	NS-FP	41.8	NS-FP	526	57.8	22.9	10.3	11,100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1,100	2,000	1,170	800	<2	49.8	262	89.1	3,480	11.3	NS-FP	NS-FP	57.4	NS-FP	NS-NW	636	50.6	8.2	9,210
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	490J	2,090*	524J	956J	<2	65.8	46.9	120	2,380	21.7	NS-FP	NS-FP	<2	NS-FP	77.0J	21.3	56.6	NA	9,050
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	118	1,240	364	417J	<2	2.2J	404	141	732	1.6J	NS-FP	NS-FP	16.3	1,690	50.7	4.1J	17.6	5.4	7,370
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	210	1,460	134J	248J	<2	4.6	566*	134	2,240	2.7J	833	NS-FP	26.8	1,160	93	5.7	39.1	3.9	5,100
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	244	965	<200	276J	<2	10.7	572	44.4	2,280	5.4	NS-FP	NS-FP	51.8	1,850	NS-NW	4.9	76.1	4.2	NS-NW
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	509	1,340	84	188	ND	62.8	728	ND	2,820	2.2	2,720	NS-FP	49.5	1,040	2.3	4.7	27.7	4.7	7,940
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	205	1,620	ND	ND	ND	56.5	610	ND	2,380	2.5	2,810	NS-FP	195	1,170	4.3	10.9	26.1	5.3	7,460
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	200	809	ND	120	ND	52.9	465	ND	2,040	1.6	1,330	NS-FP	5.4	1,330	NS-NW	5.8	48.9	19.7	NS-NW
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	1,040	ND	209	ND	4.7	562	8.6	1,480	6.2	NS-FP	NS-FP	2.3	732	NS-NW	11.1	51	104	NS-NW
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	1,100	ND	137	ND	8.6	610	25.7	1,650	5.3	NS-FP	NS-FP	7.2	1,820	NS-NW	83	41.2	32	7,170
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	1,130	18.9J	ND	ND	25.5	805	10.2	1,630	3.5J	NS-FP	NS-FP	4.1J	1,670	NS-NW	110	121	202	NS-NW
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	970	<2.0	<2.0	<2.0	<2.0	443	9.0	1,770	92.3	NS-FP	NS-FP	442.3	778	NS-NW	47.8	60.1	159	NS-NW
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	842	NS-NW	NS-NW	ND	9.8	434	61.4	2,040	78.3	NS-NW	NS-FP	29.9	629	NS-NW	64.1	20.2	71.8	NS-NW
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	1190	NS-NW	NS-NW	ND	21.1	179	7.6	3130	128	NS-NW	NS-FP	66.5	626	NS-NW				

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ( $\mu\text{g/L}$ )		MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
trans 1,2-Dichloroethene	Feb-94	NA	NA	NA	NA	NA	NA	NA	NA																	
	Nov-00	<2,500	<500	<500	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<250	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<4	<50	<2	<200	NS-FP	<2	12	NS-NW	<2	<2	<2	120
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	29.4	NS-FP	<2	Table 2	Table 2	<2	14.5	32.3	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	<40	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	<4	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	24	NS-NW	<2	<2	<2	NA	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<200	<2	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<5	NS-FP	<200	<5	<2	<2	<50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<400	<200	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<200	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<20	<20	<500	<200	<2	<2	<4	<2	<40	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	<100
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<400	<40	<400	<400	<2	<2	<2	<4	<40	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	NA <200
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<100	<200	<2	<2	<4	<10	<40	<2	NS-FP	NS-FP	<2	<20	<20	<2 SM	<2 SM	<2 SM	<200
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<100	<500	<2	<2	<4	<20	<40	<2	<200	NS-FP	<2	<50	<20	<2 SM	<2 SM	<2 SM	<200
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<200	<400	<2	<2	<4	<4	<40	<2	NS-FP	NS-FP	<2	<100	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-NW	
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	NS-NW
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	NS-NW
1,4 Dioxane	Oct-02				NS-FP	NS-FP		NS-FP																		
	Dec-02	NA	<5,000	<5,000	NS-FP	NS-FP	11,500	NS-FP	6,540	<50,000	<2,500	<500	<100	<2,500	<1,000	16,500	<100	<10,000	<50,000	176	<500					
(* = Analyzed using EPA Method 8270)	Mar-03	NA	<10,000	<5,000	NS-FP	NS-FP	21,900	NS-FP	7,200	<10,000	<5,000	<250	29	<625	<250	6,850	<25	<25,000	<25,000	112	<125					
	Jun-03	NA	<5,000	<10,000	NS-FP	NS-FP	22,300	NS-FP	12,800	<10,000	<10,000</td															

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ( $\mu\text{g/L}$ )**

VOCs	Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
Ethylbenzene	Feb-94	333	1,720	115	1,180	1,910	45																					
	Nov-00	960	120	1,000	NS-FP	NS-FP	82																					
	Oct-01	805	197	1,550	NS-NW	Table 2	107																					
	Feb-02	875	115	1,360	NS-FP	NS-FP	94.4																					
	Jun-02	1,450	147	1,470	NS-FP	NS-FP	124	NS-FP	<1																			
	Oct-02	884	469	945	NS-FP	NS-FP	213	NS-FP	<1																			
	Dec-02	NA	590	1,150	NS-FP	NS-FP	50	NS-FP	<5	1,480	967	270	<1	334	<10	<50	<1	425	1,710	<1	<5							
	Mar-03	NA	614	982	NS-FP	NS-FP	100	NS-FP	<5	1,280	1,650	200	<1	25.3	<10	<25	<1	1,050	2,270	<1	<5							
	Jun-03	NA	<100	722	NS-FP	NS-FP	85.3	NS-FP	<10	1,400	940	11.1	<1	<1	<2.5	<25	<1	1,010	2,480	<2.5	31	<10	<1	<1	<1	1,620		
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	1,360	1,010	52.5	2	<1	<2	<25	<1	740	NS-FP	<1	5.5	NS-NW	<1	<1	<1	2,900		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	1,450	1,140	157	<1	<2	<2.5	NS-FP	<1	690	NS-FP	<1	<1	NS-NW	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	1,080	254	<1	<1	6.7	NS-FP	<1	Table 2	Table 2	<1	6.8	<2	Table 5	Table 5	Table 5	3,180		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	833	74.4	<1	<1	2.5	NS-FP	<1	NS-FP	NS-FP	<1	<2	NS-NW	<1	<1	<1	2,830		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	1,160	160	<1	<1	4.7	NS-FP	<1	NS-FP	NS-FP	<1	9.4	NS-NW	<1	<1	<1	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	1,360	84.8	<1	<2	<1	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	SM	<1	SM	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	1,270	<2.5	NS-FP	860	61	<1	<1	2.4	342	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	SM	3,060	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	1,230	<10	1,990	1,060	42.7	<1	<1	<20	323	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	SM	3,530	
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	1,120	16.5	1,260	1,360	21.2	<1	46.6	1.8	221	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	SM	1,950	
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	1,780	<10	1,820	1,650	10.3	<1	<4	7.2	242	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	SM	<1	SM	2,070	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	1,320	<20	1,510	714	<1	<1	<1	<2	219	<1	NS-FP	NS-FP	<1	NS-FP	<1	<1	SM	<1	SM	NA	1,670
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	497	<10	1,550	619	<1	<1	<2	<5	68.8	<1	NS-FP	NS-FP	<1	860	<10	<1	SM	<1	SM	2,380	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	603	<10	1,430	1,290	<1	<1	<2	<10	270	<1	2,020	NS-FP	<1	437	<10	<1	SM	<1	SM	1,150	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	768	<10	1,840	1,080	<1	<1	<2	16.5	245	<1	NS-FP	NS-FP	<1	545	NS-NW	<1	SM	<1	SM	NS-NW	
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	246	ND	1,410	844	ND	ND	ND	89.9	170	ND	1,740	NS-FP	ND	ND	ND	ND	ND	ND	ND	1260	
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	424	ND	857	751	ND	ND	ND	95.6	140	ND	2,980	NS-FP	ND	ND	ND	ND	ND	ND	ND	1,050	
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	516	ND	865	1,030	ND	ND	ND	86.9	192	ND	1,950	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	127	ND	843	1,030	2.5	ND	ND	2.1	166	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	456	ND	ND	1,270	ND	ND	ND	118	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	498	ND	1510	1,230	6.3	ND	ND	162	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW		
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	61.5	<1.0	871	864	<1.0	<1.0	<1.0	<1.0	44.0J	<1.0	NS-FP	NS-FP	<1.0	<1.0	NS-NW	<1.0	<1.0	<1.0	<1.0	NS-NW	
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	3.2	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW		
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	84.9	31	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	NS-NW	
<b>Methylene Chloride</b>																												
	Feb-94	1,220	2,980	6,530	4,760	21,400	<50																					
	Nov-00	1,100	180	5,600	NS-FP	NS-FP	180					</td																

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8**

VOCs		Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	
4-Methyl-2-pentanone (MIBK)	Oct-01	<1,250	<250	4,130	NS-NW	Table 2	625																					
	Feb-02	<625	<62.5	3,470	NS-FP	NS-FP	376																					
	Jun-02	<1,250	<2,500	2,850	NS-FP	NS-FP	388	NS-FP	<500																			
	Oct-02	<2,500	<250	1,410	NS-FP	NS-FP	276	NS-FP	<125																			
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	<12,500	3,540	<125	<25	<625	<250	<1,250	<25	<2,500	<12,500	<25	<125							
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	8,160	3,680	<250	<25	<625	<250	<625	<25	7,400	10,100	<25	<125							
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	6,020	5,340	<125	<25	<25	<62.5	<125	<25	12,600	14,400	<62.5	<5	<250	<25	<25	<25	9,250		
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	10,900	1,370	<12.5	<5	<5	<10	<125	<5	4,100	NS-FP	<5	<25	NS-NW	<5	<5	<5	7,350		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	3,120	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	1,330	NS-FP	<5	<100	NS-NW	Table 5	Table 5	NS-NW			
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	<250	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	6,600			
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	5,320		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<125	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	NS-FP	<500	<5	<5	<10	<5	NS-FP	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	NS-NW		
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	<12.5	NS-FP	1,200	<12.5	<5	<5	<125	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	5,550			
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<1,000	<500	<5	<5	<5	<100	<250	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	4,880		
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	<500	370	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	4,190		
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	<50	<50	<1,250	<500	<5	<5	<10	<5	<100	<5	NS-FP	NS-FP	<5	NS-FP	NS-NW	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	7,120		
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<1000	<100	<1000	<1000	<5	<5	<5	<10	<100	<5	NS-FP	NS-FP	<5	NS-FP	<100	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	686J		
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<500	<5	<5	<10	<25	<100	<5	NS-FP	NS-FP	<5	<50	<50	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	2,420J		
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<250	<1,250	<5	<5	<10	<50	<100	<5	233J	NS-FP	<5	<125	<50	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<500		
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<100	<50	<500	<1,000	<5	<5	<10	<10	<100	<5	NS-FP	NS-FP	<5	<250	NS-NW	<5 <sup>SM</sup>	<5 <sup>SM</sup>	<5 <sup>SM</sup>	NS-NW		
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	842J	NS-FP	ND	ND	ND	ND	ND	ND	ND		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	652	NS-FP	ND	ND	ND	ND	ND	ND	ND		
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	528	NS-FP	ND	ND	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW		
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW		
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS-FP	NS-FP	<5.0	<5.0	NS-NW	<5.0	<5.0	<5.0	NS-NW		
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW		
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW		
Naphthalene																												
	Oct-01	185	76	<125	NS-NW	Table 2	85																					
	Feb-02	195	64	122	NS-FP	NS-FP	74.8																					
	Jun-02	<250	89.4	178	NS-FP	NS-FP	116	NS-FP	<100																			
	Oct-02	<500	62.2	59.2	NS-FP	NS-FP	<250	NS-FP	<25																			
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	97	<5	<125	<50	<250	<5	<500	<2,500	<5	<25							
	Mar-03	NA	<1,000	206	NS-FP	NS-FP	110	NS-FP	<25	568	222	134	89.4	<125	27.5	55.3	116	1,130	1,610	<5	<25							
	Jun-03	NA	<200	<400	NS-FP	NS-FP	80.3	NS-FP	<20	450	<400	<10	<2	<2	<5	<50	<2	276	3,250	<5	<2	<20	<2	<2	<2	135		
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	22	<2	<2	<4	<50	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	125		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	113	<2	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	20	NS-NW	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	163	<2	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	53.5	6.6	Table 5	Table 5	<100		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	129	<2	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	102	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<50	157	<2	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	70	NS-NW	<2	<2	<2	NA	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<500	66.9	<2	<2	<4	<2	NS-FP	<2	2.4	NS-FP	<2	NS-FP	NS-NW	<2 <sup>SM</sup>	<2 <sup>SM</sup>	<2 <sup>SM</sup>	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	440	<5	NS-FP	<200	44.2	<2	<2	<2	<2	909	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 <sup>SM</sup>	<2 <sup>SM</sup>	<2 <sup>SM</sup>	150	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	390	<20	1,620	<200	41.6	<2	<														

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 ( $\mu\text{g/L}$ )**

VOCs	Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	
n-Propylbenzene	Jun-02	<250	28.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																		
	Oct-02	<500	44.2	<50	NS-FP	NS-FP	<250	NS-FP	<25																		
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	259	89.5	<5	<125	<50	<250	<5	<500	<2,500	<5	<25						
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	462	191	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25						
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100		
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	303	45	<2	<2	<4	<50	<2	<200	NS-FP	<2	10.5	NS-NW	<2	<2	<2	<100	
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	123	<2	<4	<5	NS-FP	<2	230	NS-FP	22.9	<40	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW	
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	355	237	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	14.3	<4	Table 5	Table 5	Table 5	<100	
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	210	142	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40	
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	230	184	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	13.4	NS-NW	<2	<2	<2	NA	
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	327	128	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW	
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	117	<5	NS-FP	220	122	<2	<2	<2	81	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	132	<20	<400	<200	117	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<20	<2 SM	<2 SM	<2 SM	<100	
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	177	<20	<500	270	139	<2	6.6	<2	48.2	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<100	
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	232	<20	1,690	248	105	<2	<4	<2	30.6	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2 SM	<2 SM	<2 SM	170	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<400	<40	<400	598J	5.8	<2	<2	<2	27.8J	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	NA	261J	
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	177J	<200	2.3J	<2	<4	<10	60.8J	<2	NS-FP	NS-FP	<2	315	<20	<2 SM	<2 SM	<2 SM	382J	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	161	<20	96.0J	668J	2.7J	<2	<4	<20	31.6J	<2	944	NS-FP	<2	209	<20	<2 SM	<2 SM	<2 SM	<200	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	181	<20	194J	<400	11.4	<2	<4	<40	<2	NS-FP	NS-FP	<2	331	NS-NW	<2 SM	<2 SM	<2 SM	NS-NW		
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	59.4J	ND	134	ND	ND	ND	ND	ND	ND	392J	NS-FP	ND	ND	ND	ND	ND	ND	ND		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	75	ND	ND	258	ND	ND	ND	ND	ND	869	NS-FP	ND	ND	ND	ND	ND	ND	ND		
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-FP	ND	ND	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	110	23.0	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	948	172	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	63.5	100J	32.7	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	<2.0	927	140J	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-FP	NS-FP	<2.0	<2.0	NS-NW	<2.0	<2.0	<2.0	NS-NW	
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	46.4	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW
<b>Tetrachloroethene (PCE)</b>	Feb-94	662	2,150	5,370	3,320	2,130	134																				
	Nov-00	<2,500	<500	130	NS-FP	NS-FP	<500																				
	Oct-01	<100	<20	130	NS-NW	Table 2	100																				
	Feb-02	20	3.3	302	NS-FP	NS-FP	8.2																				
	Jun-02	24.8	<500	133	NS-FP	NS-FP	<25	NS-FP	122																		
	Oct-02	<200	<20	39.3	NS-FP	NS-FP	<100	NS-FP	190																		
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	204	<1,000	<50	<10	97.1	<50	<20	268	8.1	534	1,240	9.7	53.1						
	Mar-03	NA	<400	411	NS-FP	NS-FP	<50	NS-FP	136	<400	<200	<20	11	<50	<20</td												

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8**

VOCs	Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26			
1,1,1-Trichloroethane (1,1,1-TCA)	Feb-94	9,370	3,470	444	36,200	114,000	90																						
	Nov-00	<2,500	<500	70	NS-FP	NS-FP	<500																						
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																						
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																						
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																				
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	92																				
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	32.3	13,800	52.8	21	<5	230	<50	<250	6	1,150	21,500	<5	<25								
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	35	12,300	<500	14	1.4	77.5	<50	33.5	9.5	665	37,800	<5	14								
	Jun-03	NA	160	<400	NS-FP	NS-FP	<50	NS-FP	18.6	8,430	<400	19	<2	3.4	10.7	42.5	<2	260	61,200	25	70	<20	<2	<2	<2	1,250			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	4,510	<50	8.7	<2	8.9	6.4	<50	8	420	NS-FP	8.6	150	NS-NW	<2	<2	<2	1,790			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	7,460	852	10.7	<2	<4	<5	NS-FP	2.2	1,130	NS-FP	81.7	132	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	11.1	Table 2	170	8.3	<2	<2	7.7	NS-FP	<2	Table 2	Table 2	20.9	186	<4	Table 5	Table 5	Table 5	Table 5	7,350		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	24	NS-FP	250	2.5	<2	<2	4.5	NS-FP	7.4	NS-FP	NS-FP	3.4	13.5	NS-NW	3.4	<2	<2	5,730			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.9	NS-FP	485	2.4	<2	<2	5.2	NS-FP	<2	NS-FP	NS-FP	3.2	312	NS-NW	<2	<2	<2	NA			
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	27.8	NS-FP	290	<2	<2	<4	2.2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2	<2	<2	SM	NS-NW		
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	321	14.4	NS-FP	158	<5	<2	<2	<2	<2	50	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	<2	<2	SM	3,900	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	302	<20	1,410	117	<2	<2	<2	<40	<100	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	<2	<2	SM	6,200		
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	527	<20	1,040	<200	<2	2.3	<4	<2	49.2	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	<2	<2	SM	3,980		
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	71.1	<20	2,570	<200	<2	<2	<4	<2	83.2	<2	NS-FP	NS-FP	2.2	NS-FP	NS-NW	16.3	5.2	<2	SM	4,710		
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	<400	<40	420J	<400	<2	<2	<2	<4	50.0J	<2	NS-FP	NS-FP	3.2J	NS-FP	<40	<2	<2	SM	NA	3,890		
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<100	<200	<2	<2	<4	<10	12.4J	<2	NS-FP	NS-FP	<2	564	<20	<2	SM	4.1	<2	SM	4,170	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	122J	<500	<2	<2	<4	<20	72.0J	<2	126J	NS-FP	<2	290	<20	<2	SM	8.8	<2	SM	1,740	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	<40	<20	<200	<400	<2	<2	<4	<4	63.8J	<2	NS-FP	NS-FP	<2	330	NS-NW	<2	SM	7.5	SM	<2	SM	NS-NW
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	79.5J	ND	ND	ND	ND	ND	94.8J	ND	720	NS-FP	ND	132	ND	ND	ND	ND	ND	3,250		
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	82	ND	518	NS-FP	ND	136	ND	ND	ND	ND	ND	1,950		
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	93	ND	280	NS-FP	ND	145	ND	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	69	ND	NS-FP	NS-FP	ND	62.2	NS-NW	ND	ND	ND	ND	ND	NS-NW	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	56.5	ND	NS-FP	NS-FP	ND	70.4	NS-NW	ND	ND	ND	ND	ND	2,140	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	ND	ND	ND	ND	ND	ND	51.0J	ND	NS-FP	NS-FP	ND	69.0J	NS-NW	ND	ND	ND	ND	ND	NS-NW	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-FP	NS-FP	<2.0	36.0J	NS-NW	<2.0	<2.0	<2.0	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	48.4	NS-NW	ND	ND	ND	ND	ND	NS-NW	
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	11.2	NS-NW	ND	ND	ND	ND	ND	NS-NW	
Trichloroethene (TCE)	Feb-94	7,160	3,040	1,730	14,300	1,320	45																						
	Nov-00	<2,500	<500	1,500	NS-FP	NS-FP	<500																						
	Oct-01	<100	<20	100	NS-NW	Table 2	<10																						
	Feb-02	20	2.5	260	NS-FP	NS-FP	6.8																						
	Jun-02	<250	<500	134	NS-FP	NS-FP	<25	NS-FP	<100																				
	Oct-02	<200	<20	28	NS-FP	NS-FP	<100	NS-FP	56.6																				
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	50.4	<1,000	<50	<10	77.2	<50	<20	274	3	946	1,740	2.9	55.7								
	Mar-03	NA	<400	1,930	NS-FP	NS-FP	<50	NS-FP	39	<400	<200	<20	28.8	<50	134	400	7.4	610	2,360	1.5	31.7								
	Jun-03	NA	182	806	NS-FP	NS-FP	<50	NS-FP	41.9	<400	<400	<10	72.7	4	13.6	438	6.5	176	3,820	10	95	<20	2.3	2.3	20.4	1,330			
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	47	<400	<50	7.5	95.2	12.1	16	2,530	3.9	<200	NS-FP	6.2	180	NS-NW	<2	11.5	25	2,100			
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1.7	<400	<400	<5	47	22.6	9.3	NS-FP	7.3	169	NS-FP	4.4	140	NS-NW	Table 5	Table 5	Table 5	NS-NW			
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	37.2	Table 2	<100	<5	18.5	16.1	17.9	NS-FP	9.5	Table 2	Table 2	2.5	240	<4	Table 5	Table 5	Table 5	3,000			
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	29.6	NS-FP	<100	<4	52.7	<2	21.5	NS-FP	9.1	NS-FP	NS-FP	6.7	108	NS-NW	22.9	85.7	42.9	<40			
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	28.3	NS-FP	<50	<4	39.2	19.8	12.1	NS-FP	17.3	NS-FP											

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260**

VOCs		Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26					
1,2,4-Trimethylbenzene	Oct-01	1,590	18.9	345	NS-NW	Table 2	200																									
	Feb-02	2,800	231	668	NS-FP	NS-FP	234																									
	Jun-02	3,850	<500	618	NS-FP	NS-FP	238	NS-FP	<100																							
	Oct-02	2,120	116	299	NS-FP	NS-FP	327	NS-FP	<25																							
	Dec-02	NA	232	356	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	2,120	1,640	<5	270	<50	<250	<5	1,880	2,500	<5	<25											
	Mar-03	NA	380	441	NS-FP	NS-FP	225	NS-FP	<25	1,590	2,950	703	<5	30	<50	238	238	2,490	4,660	<5	<25											
	Jun-03	NA	<200	378	NS-FP	NS-FP	152	NS-FP	<20	1,740	1,400	20	<2	<2	<5	<50	<2	2,070	8,090	19.5	18.5	<20	<2	<2	<2	<100						
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	1,430	1,830	110	<2	<2	<4	<50	<2	1,680	NS-FP	<2	20.5	NS-NW	<2	<2	<2	<2	555					
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	1,640	1,582	498	<2	<4	<5	NS-FP	<2	1,810	NS-FP	33.1	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW						
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	2,060	1,200	<2	<2	15	NS-FP	<2	Table 2	Table 2	<2	30	6.6	Table 5	Table 5	Table 5	1,140						
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	1,410	555	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	<2	832					
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	925	769	<2	<2	3.1	NS-FP	<2	NS-FP	NS-FP	<2	151	NS-NW	<2	<2	<2	<2	NA					
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	2,910	473	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2	SM	<2	SM	<2	SM	NS-NW			
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	2,420	<5	NS-FP	1,540	211	<2	<2	<2	3,250	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	SM	<2	SM	984					
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	2,760	<20	6,840	1,720	143	<2	<2	<40	2,210	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	SM	<2	SM	<2	SM	1,180			
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	2,850	43.4	2,510	2,750	78.6	<2	74.5	<2	2,120	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2	SM	<2	SM	<2	SM	332			
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	4,200	<20	2,680	2,240	49.6	<2	<2	5.7	1,450	<2	NS-FP	NS-FP	<2	NS-FP	NS-NW	<2	SM	<2	SM	<2	SM	594			
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	2,600	<40	2,140	1,030	12.4	<2	<2	1.2J	968	<2	NS-FP	NS-FP	<2	NS-FP	<100	<2	SM	<2	SM	NA	492J				
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	1,710	<20	2,760	974	4.1J	<2	<4	<10	795	<2	NS-FP	NS-FP	<2	5,510	<20	<2	SM	<2	SM	<2	SM	741			
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	1,510	<20	2,410	6,600	<2	<2	<4	<20	1,120	<2	13,300	NS-FP	<2	2,030	<20	<2	SM	<2	SM	<2	SM	345J			
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	1,540	<20	2,510	1,170	<2	<2	<4	<4	<40	<2	NS-FP	NS-FP	<2	<100	NS-NW	<2	SM	<2	SM	<2	SM	NS-NW			
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	108	ND	2,130	1,520	ND	ND	ND	48.7J	609	ND	6,580	NS-FP	ND	80.0J	ND	ND	ND	ND	ND	ND	ND	436			
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	277	ND	1,480	986	ND	ND	ND	47.2	451	ND	4,360	NS-FP	ND	ND	ND	ND	ND	ND	ND	ND	208				
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	166	ND	1,530	1,280	ND	ND	ND	39.5	547	ND	3,810	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW				
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	ND	ND	1,420	1,290	ND	ND	ND	6.5	406	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW			
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	204	ND	1,550	1,640	ND	ND	ND	ND	423	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	ND	ND	347		
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	80.0J	ND	2,160	1,800	21.8	ND	ND	392	ND	NS-FP	NS-FP	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS-NW				
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	47	<2.0	1,560	1,560	2.2J	<2.0	<2.0	<2.0	138J	<2.0	NS-FP	NS-FP	<2.0	<2.0	NS-NW	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS-NW			
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	2.5	ND	ND	2.3	31	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW			
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	285	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	ND	NS-NW			
1,3,5-Trimethylbenzene	Oct-01	470	62.9	145	NS-NW	Table 2	25																									
	Feb-02	955	57.8	126	NS-FP	NS-FP	45.6																									
	Jun-02	1,170	57.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																							
	Oct-02	574	67.8	57.8	NS-FP	NS-FP	<250	NS-FP	<25																							
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	675	765	<5	106	<50	<250	<5	528	<2,500	<5	<25											
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	30	NS-FP	<25	404	903	411	<5	<125	<50	<125	<5	635	845	<5	<25											
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	398	440	19	<2	<2	<5	<50	<2	506	1,530	<5	<2	<20	<2	<2	<2	<2	<100					
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	320	570	92	<2	<2	<4	<50	<2	400	NS-FP	<2	<10	NS-NW	<2	<2	<2	<2	170					
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	375	619	<2	<2	3.4	NS-FP	<2	Table 2	Table 2	<2	13.8	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW					
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	375	619	<2	<2	3.4	NS-FP	<2	Table 2	Table 2	<2	5.5	<4	Table 5	Table 5	Table 5	300						
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	455	340	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<2	189					
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	500	410	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<2	NA					
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	1,440	290	<2	<4	<2	NS-FP	<2	NS-FP	NS-FP	<2	<2	NS-FP	<2	<2	<2	<2	NS-NW	<2	<2			
	Mar-05																															

**Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 25A**

VOCs		Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
Toluene	Feb-94	560	7,390	579	12,700	15,300	398																						
	Nov-00	4,000	57	3,700	NS-FP	NS-FP	800																						
	Oct-01	2,470	26	5,150	NW	Table 2	975																						
	Feb-02	4,880	26.2	4,520	NS-FP	NS-FP	1,330																						
	Jun-02	6,180	102	4,780	NS-FP	NS-FP	1,280	NS-FP	<20																				
	Oct-02	5,390	39	4,810	NS-FP	NS-FP	2,560	NS-FP	<5																				
	Dec-02	NA	158	5,770	NS-FP	NS-FP	541	NS-FP	<5	19,600	1,230	29.5	1.2	2,840	14.4	<50	<1	1,730	13,500	3.3	6.7								
	Mar-03	NA	<200	2,310	NS-FP	NS-FP	938	NS-FP	<5	12,000	3,830	14.5	<1	230	<10	<25	<1	4,970	11,600	<1	<5								
	Jun-03	NA	<100	2,080	NS-FP	NS-FP	724	NS-FP	<10	10,900	4,620	<5	<1	<1	<2.5	<25	<1	5,510	13,300	7.2	<1	<10	<1	<1	<1	<50			
	Sep-03	NA	NA	NA	NW	NS-FP	NA	NS-FP	<10	13,800	4,030	<2.5	<1	<1	2	<25	<1	3,700	NS-FP	<1	10	NS-NW	<1	<1	<1	<1	10,500		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	13,300	6,570	9.7	<1	<2	3.2	NS-FP	<1	2,350	NS-FP	14.6	<1	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	6,050	<2.5	<1	<1	54.8	NS-FP	<1	Table 2	Table 2	<1	17.5	16.4	Table 5	Table 5	Table 5	Table 5	15,200		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	9,000	3.6	<1	<1	43.3	NS-FP	<1	NS-FP	NS-FP	<1	1.7	NS-NW	<1	<1	<1	<1	14,500		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	16,200	1.5	<1	<1	101	NS-FP	<1	NS-FP	NS-FP	<1	94	NS-NW	<1	<1	<1	<1	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	16,300	<1	<1	<2	33.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	SM	<1	SM	<1	SM	NS-NW
	Mar-05	NA	NA	NA	NW	NW	NA	6,170	4.8	NS-FP	6,580	<2.5	<1	<1	42.2	62.5	<1	NS-FP	NS-FP	<1	NS-FP	22.8	<1	SM	<1	SM	<1	SM	16,900
	Jun-05	NA	NA	NA	NW	NW	NA	4,510	<10	12,800	7,830	<1	<1	<1	180	149	<1	NS-FP	NS-FP	<1	NS-FP	22.8	<1	SM	<1	SM	<1	SM	14,200
	Sep-05	NA	NA	NA	NW	NW	NA	4,290	40.8	11,900	10,700	<1	<1	204	27.5	29.4	<1	NS-FP	NS-FP	<1	NS-FP	34.2	<1	SM	<1	SM	<1	SM	15,400
	Dec-05	NA	NA	NA	NW	NW	NA	4,080	<20	15,000	7,400	<1	<1	<2	54.5	<20	<1	NS-FP	NS-FP	1.7	NS-FP	NS-NW	<1	SM	<1	SM	<1	SM	16,400
	Mar-06	NA	NA	NA	NW	NW	NA	3,740	<20	11,200	4,400	<1	<1	<1	7.4	<20	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1	SM	<1	NA	<1	SM	12,500
	Jun-06	NA	NA	NA	NW	NW	NA	350	<10	10,500	4,810	<1	<1	<2	79.3	<20	<1	NS-FP	NS-FP	<1	305	<10	<1	SM	<1	SM	<1	SM	17,600
	Sep-06	NA	NA	NA	NW	NW	NA	67	<10	10,400*	6,360	<1	<1	<2	81.3	<20	<1	3,970	NS-FP	<1	177	<10	<1	SM	<1	SM	<1	SM	8,360
	Dec-06	NA	NA	NA	NW	NW	NA	153	<10	9,500	5,040	<1	<1	1.4J	165	<20	<1	NS-FP	NS-FP	<1	141	NS-NW	<1	SM	<1	SM	<1	SM	NS-NW
	Mar-07	NA	NA	NA	NW	NW	NA	43.2	ND	9,510	5,720	ND	ND	4.4JND	1,760	27.4	ND	9720	NS-FP	ND	ND	ND	ND	ND	ND	ND	ND	9670	
	Jun-07	NA	NA	NA	NW	NW	NA	80	ND	5,910	5,730	ND	ND	1,430	34	ND	11,500	NS-FP	ND	ND	ND	ND	ND	ND	ND	ND	7,590		
	Sep-07	NA	NA	NA	NW	NW	NA	112	ND	5,990	4,260	ND	ND	520	ND	ND	7,600	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW		
	Dec-07	NA	NA	NA	NW	NW	NA	100	ND	2,910	4,390	ND	ND	6	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW		
	Mar-08	NA	NA	NA	NW	NW	NA	233	ND	5,460	4,090	ND	ND	1	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	5,860		
	Jun-08	NA	NA	NA	NW	NW	NA	ND	ND	9,130	4,670	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW		
	Sep-08	NA	NA	NA	NW	NW	NA	<1.0	<1.0	7,180	5,240	<1.0	<1.0	<1.0	<1.0	<1.0	NS-FP	NS-FP	<1.0	<1.0	NS-NW	<1.0	<1.0	<1.0	<1.0	<1.0	NS-NW		
	Dec-08	NA	NA	NA	NW	NW	NA	NS-NW	9.3	NS-NW	NS-NW	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW		
	Mar-09	NA	NA	NA	NW	NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	ND	ND	NS-NW	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	ND	NS-NW		
Vinyl Chloride	Oct-01	1,350	75	<5	NW	Table 2	188																						
	Feb-02	1,060	197	896	NS-FP	NS-FP	517																						
	Jun-02	<100	<200	<50	NS-FP	NS-FP	<10	NS-FP	<40																				
	Oct-02	2,860	2,710	12,200	NS-FP	NS-FP	684	NS-FP	123																				
	Dec-02	NA	2,720	12,700	NS-FP	NS-FP	423	NS-FP	107	4,100	198	1,100	6.2	<50	93.1	555	<2	<200	<1,000	<2	28.1								
	Mar-03	NA	1,640	7,870	NS-FP	NS-FP	200	NS-FP	92	3,690	1,180	66.6	2.6	<50	77.8	387	<2	<1,000	630	<2	22.6								
	Jun-03	NA	4,500	2,380	NS-FP	NS-FP	360	NS-FP	173	3,410	1,830	36	3.8	<2	49	395	<2	<400	<1,000	<5	<2	88.9	<2	<2	<2	<2	<100		
	Sep-03	NA	NA	NA	NW	NS-FP	NA	NS-FP	296	4,510	1,510	36	<2	5.2	51	588	<2	800	NS-FP	<2	31.5	NS-NW	<2	<2	<2	<2	<100		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	5.2	3,700	1,530	13.1	<2	6.1	134	NS-FP	<2	<200	NS-FP	<2	47.3	NS-NW	Table 5	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	155	Table 2	1,190	8.5	<1	<1	546	NS-FP	<1	Table 2	Table 2	<1	66	860	Table 5	Table 5	Table 5	Table 5	450		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	191	NS-FP	3,320	10.4	<1	2	138	NS-FP	<1	NS-FP	NS-FP	<1	13.6	NS-NW	<1	<1	<1	<1	<40		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	111	NS-FP	2,550	10	<1	5.5	272	NS-FP	<1	NS-FP	NS-FP	<1	202	NS-NW	<1	<1	<1	<1	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	32.9	NS-FP	5,410	3.6	<1	<2	34.7	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1	SM	<1	SM	<1	SM	NS-NW

VOCs	Date	MW-1 <sup>t</sup>	MW-2 <sup>t</sup>	MW-3 <sup>t</sup>	MW-4	MW-6	MW-7 <sup>t</sup>	MW-8	MW-9	MW-10	MW-11	M	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26		
<b>Xylenes</b>																												
	Feb-94	2,192	7,790	1,014	4,362	4,710	186																					
	Nov-00	3,400	<500	2,500	NS-FP	NS-FP	247																					
	Oct-01	2,770	<2	3,720	NS-NW	Table 2	301																					
	Feb-02	3,760	14.8	3,070	NS-FP	NS-FP	280																					
	Jun-02	5,240	152	3,690	NS-FP	NS-FP	354	NS-FP	<20																			
	Oct-02	3,570	73	2,570	NS-FP	NS-FP	576	NS-FP	<5																			
	Dec-02	NA	355	2,900	NS-FP	NS-FP	121	NS-FP	<5	4,690	748	242	<1	1,760	<10	<50	<1	2,690	3,940	<1	<5							
	Mar-03	NA	316	2,100	NS-FP	NS-FP	318	NS-FP	<10	2,330	1620	28.1	<2	100	<20	<50	<2	4,200	4,960	<2	8.4							
	Jun-03	NA	170	1,760	NS-FP	NS-FP	238	NS-FP	<10	4,590	1,560	<5	<1	<1	<2.5	<25	<1	3,650	6,040	8.3	<1	<10	<1	<1	<1	1,050		
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	4,460	1,320	9	<1	<1	<2	<25	<1	2,620	NS-FP	<1	93	NS-NW	<1	<1	<1	6,870		
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	4,590	2,020	157	<1	<2	<2.5	NS-FP	<1	2,610	NS-FP	22	91.9	NS-NW	Table 5	Table 5	Table 5	NS-NW		
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	2,170	231	<1	<1	27.3	NS-FP	<1	Table 2	Table 2	<1	175	8.8	Table 5	Table 5	Table 5	9,320		
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	1,930	18.9	<1	<1	9.8	NS-FP	<1	NS-FP	NS-FP	<1	5.3	NS-NW	<1	<1	<1	8,320		
	Sep-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	3,200	150	<1	<1	22.1	NS-FP	<1	NS-FP	NS-FP	<1	200	NS-NW	<1	<1	<1	NA		
	Dec-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	NS-FP	4,310	2.5	<1	<2	3.5	NS-FP	<1	NS-FP	NS-FP	<1	NS-FP	NS-NW	<1 SM	<1 SM	<1 SM	NS-NW		
	Mar-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	4,590	5.5	NS-FP	2,420	53.2	<1	<1	10	544	<1	NS-FP	NS-FP	<1	NS-FP	<20	<1 SM	<1 SM	<1 SM	9,530	
	Jun-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	4,850	<20	7,600	2,890	35.6	<2	<2	24	297	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<2 SM	11,800
	Sep-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	5,810	45.7	4,290	4,150	17.5	<2	277	5.8	126	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	<2 SM	5,550
	Dec-05	NA	NA	NA	NS-NW	NS-NW	NA	NA	5,690	<20	6,490	4,470	8.4	<2	<4	30.8	90.2	<2	NS-FP	NS-FP	<2	NS-FP	<2 SM	<2 SM	<2 SM	<2 SM	6,070	
	Mar-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	4,690	<40	6,080	2,220	<2	<2	<2	3.2J	157	<2	NS-FP	NS-FP	<2	NS-FP	<40	<2 SM	<2 SM	<2 SM	NA	5,970
	Jun-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	873	<20	6,220	1,450	<2	<2	<4	22.1	56.8	<2	NS-FP	NS-FP	<2	2,800	<20	<2 SM	<2 SM	<2 SM	9,110	
	Sep-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	511	<20	5,610	3,180	<2	<2	<4	33.5	91.2	<2	10,100	NS-FP	<2	1,560	<20	<2 SM	<2 SM	<2 SM	4,240	
	Dec-06	NA	NA	NA	NS-NW	NS-NW	NA	NA	550	<20	5,810	2,600	<2	<2	<4	41.9	42	<2	NS-FP	NS-FP	<2	2,120	NS-NW	ND	ND	ND	NS-NW	
	Mar-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	117	ND	5,320	2,350	ND	ND	ND	388	44.2	ND	6,220	NS-FP	ND	95	ND	ND	ND	ND	4080	
	Jun-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	164	ND	3,300	1,730	ND	ND	ND	345	48	ND	11,100	NS-FP	ND	64.5	ND	ND	ND	ND	2,750	
	Sep-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	178	ND	3,960	2,640	ND	ND	ND	214	27.5	ND	6,930	NS-FP	ND	59.6	NS-NW	ND	ND	ND	NS-NW	
	Dec-07	NA	NA	NA	NS-NW	NS-NW	NA	NA	111	ND	3,520	2,710	ND	ND	ND	5.3	48	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	NS-NW	
	Mar-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	173	ND	4,020	3,110	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	ND	NS-NW	ND	ND	ND	ND	
	Jun-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	392	ND	5,280	2,960	ND	ND	ND	ND	ND	ND	NS-FP	NS-FP	ND	29.6J	NS-NW	ND	ND	ND	NS-NW	
	Sep-08	NA	NA	NA	NS-NW	NS-NW	NA	NA	93	<2.0	3,970	2,120	1.3J	<2.0	<2.0	<2.0	<2.0	<2.0	NS-FP	NS-FP	<2.0	38.2J	NS-NW	<2.0	<2.0	<2.0	NS-NW	
	Dec-08	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	11.7	ND	ND	NS-NW	NS-FP	ND	46.4	NS-NW	ND	ND	ND	NS-NW		
	Mar-09	NA	NA	NA	NS-NW	NS-NW	NA	NS-NW	ND	NS-NW	NS-NW	ND	ND	ND	126	ND	ND	NS-NW	NS-FP	ND	51.2	NS-NW	ND	ND	ND	NS-NW		

NA= Not Analyzed. <sup>t</sup>= Abandoned Well. <sup>SM</sup> = SnapSampler Method used for collection (Dec-04: MW-23, MW-24 and MW-25).

NS-FP= Not Sampled Free Product present. NS-NW= Not Sampled Not Enough Water present. Blue= Chemicals stored on-site. Red= Transformation compounds.

**Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)**

	<u>Date</u>	<u>Depth</u>	<u>MW-23</u>	<u>MW-24</u>	<u>MW-25</u>
Screened Interval (feet bg)			71-81	67-77	71-81
DTW (ft)	15-Dec-03		42.65	45.69	47.35
	30-Mar-04		43.25	46.41	48.03
<b>VOCs</b>					
Acetone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Benzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
2-Butanone (MEK)	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Chloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,2-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethene	15-Dec-03	1.5'	6	14.6	7.4
	15-Dec-03	7.5'	6.1	<2	6.2
	30-Mar-04	2.5'	4.4	7.6	7.4
	30-Mar-04	7.5'	4.2	6.6	6.2
cis 1,2-Dichloroethene	15-Dec-03	1.5'	2.4	8.8	3.4
	15-Dec-03	7.5'	<2	5.7	<2
	30-Mar-04	2.5'	<2	11.7	<2
	30-Mar-04	7.5'	<2	11.3	<2

**Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)**

<b>VOCs</b>	<b>Date</b>	<b>Depth</b>	<b>MW-23</b>	<b>MW-24</b>	<b>MW-25</b>
trans 1,2-Dichloroethene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,4 Dioxane	15-Dec-03	1.5'	<50	<50	<50
	15-Dec-03	7.5'	<50	<50	<50
	30-Mar-04	2.5'	<50	<50	<50
	30-Mar-04	7.5'	<50	<50	<50
Ethylbenzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Methylene Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
4-Methyl-2-pentanone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Naphthalene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
n-Propylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Tetrachloroethene	15-Dec-03	1.5'	30.6	75.4	37.1
	15-Dec-03	7.5'	14.8	24.3	37.2
	30-Mar-04	2.5'	38.2	225	30.3
	30-Mar-04	7.5'	37.7	263	24.9

**Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)**

<b>VOCs</b>	<b>Date</b>	<b>Depth</b>	<b>MW-23</b>	<b>MW-24</b>	<b>MW-25</b>
1,1,1-Trichloroethane	15-Dec-03	1.5'	3.2	2.3	<2
	15-Dec-03	7.5'	2.6	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Trichloroethene	15-Dec-03	1.5'	11.3	51.4	38.5
	15-Dec-03	7.5'	7.9	49.3	39.4
	30-Mar-04	2.5'	14.2	74.5	34.9
	30-Mar-04	7.5'	14.7	67.1	18.6
1,2,4-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,3,5-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Toluene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Vinyl Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Xylenes	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
DTW= Depth to Water.					
Depth= Depth above well bottom.					
Blue= Chemicals stored on-site.					
Red= Transformation compounds.					

**Table 6. Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7466, 160.1, Colorimetry and Standard Method 4500 (mg/L)**

Table 6. (Continued) Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)												
Compound	Date	First Water Wells					Upper A1 Zone Wells					
		MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
<b>Chloride</b>	Jun-03	241		425	70.9	101	92.2	95	96.4	87.9	87.9	
	Sep-03	241		383	57	99	142	106	170	92	142	
	Dec-03	238		344	74.4	106	160	113	106	99.3	135	
	Mar-04	221		441	76.2	92.6	92.6	104	95.3	123	158	
	Jun-04	198		332	78	119	122	102	106	109	116	
	Sep-04	132		334	54.5	123	197	129	102	91.9	129	
	Dec-04	152		158	54.5	103	98	113	98	112	NS-FP	
	Mar-05	253		384	54.5	92.6	123	169	264	215	NS-FP	
	Jun-05	284		287	35.5	115	135	156	121	70.9	NS-FP	
	Sep-05	269		99.3	45.4	96.4	128	121	122	106	NS-FP	
	Dec-05	125	294	65.3	98	45.6	65.3	NA	144	125	114	NS-FP
	Mar-06	114	NA	NA	NA	54.5	103	117	120	120	123	NS-FP
	Jun-06	542	NA	587	120	59.8	92.6	120	177	19.1	117	NA
	Sep-06	788	277	156	135	49.6	38.1	164	163	51.7	120	NA
	Dec-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Sulfide</b>	Jun-03	<0.02		3.68	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Sep-03	<0.05		2.56	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Dec-03	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Mar-04	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Jun-04	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Sep-04	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Dec-04	<0.02		0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	Mar-05	<0.05		0.96	<0.05	<0.05	<0.05	0.48	<0.05	<0.05	<0.05	
	Jun-05	<0.02		0.64	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP	
	Sep-05	<0.03		1.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS-FP	
	Dec-05	0.48	<0.05	<0.05	0.16	<0.05	<0.05	NA	<0.05	<0.05	<0.05	
	Mar-06	<0.05	NA	NA	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Jun-06	16.3	NA	3.52	0.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Sep-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Sulfate</b>	Jun-03	264		7.9	108	214	182	279	206	176	182	
	Sep-03	250		26	85	230	202	285	215	215	230	
	Dec-03	783		16	47	533	399	287	387	501	287	
	Mar-04	595		<1	27.6	262	<1	<1	335	250	<1	
	Jun-04	707		3.49	42	143	603	735	164	81.4	518	
	Sep-04	490		<1	36.5	114	278	95	319	367	192	
	Dec-04	454		<1	28.1	162	112	140	120	195	NS-FP	
	Mar-05	141		<1	32.2	84.4	121	40.4	110	36.6	NS-FP	
	Jun-05	177		<1	68.9	133	170	101	137	83.8	NS-FP	
	Sep-05	119		<1	48.7	84.7	83.9	85.8	71.8	69.1	NS-FP	
	Dec-05	4.82	224	11.4	<1	76.6	98.8	NA	37	76.2	64.4	
	Mar-06	2.2	NA	NA	NA	334	764	439	608	732	546	
	Jun-06	727	614	0.43	77.9	351	601	443	36.1	80.8	722	
	Sep-06	1060	426	4.08	47.4	449	119	500	105	113	429	
	Dec-06	1,080	584	9.81	27.6	377	406	446	117	734	529	
<b>Nitrate</b>	Jun-03	16.4		8.81	<0.01	27.8	25.1	29.7	27.8	24.2	23.8	
	Sep-03	0.138		<0.01	<0.01	0.027	0.012	0.029	<0.01	0.17	0.019	
	Dec-03	25.5		3.96	1.16	17.4	20.9	25.2	20.1	21.4	22.8	
	Mar-04	22.5		12.7	0.46	19.6	24.1	17.1	18	28.7	20	
	Jun-04	29		8.18	1.24	18	27	32	28.7	25.6	24	
	Sep-04	30.8		8.78	2.81	27.6	20.3	27	23.2	22.1	8.47	
	Dec-04	12.7		5.05	2.97	14.2	21.6	20.4	17.8	16.2	NS-FP	
	Mar-05	11.6		9.57	<0.01	11.9	17.7	19.2	11.9	20.6	NS-FP	
	Jun-05	7.8		4.9	3.1	16.1	18.6	11.8	15.7	18.5	NS-FP	
	Sep-05	5.2		8.96	2.8	21.6	22.2	18.3	14.9	21.8	NS-FP	
	Dec-05	10.8	16.3	4.11	8.2	6.7	12.2	NA	6.86	13.9	17.6	
	Mar-06	3.56	NA	NA	NA	16	22.5	21.1	25	33.6	36.3	
	Jun-06	13.3	22	6.01	12.6	30.3	22.1	30	13.3	13.1	21.7	
	Sep-06	21.5	10	2.83	15.1	18.4	13.5	24.7	16.3	12.7	16.1	
	Dec-06	7.44	4.72	3.71	5.73	13.4	9.6	17.2	17.6	16.1	16.7	

Table 6. (Continued) Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)												
Compound	Date	First Water Wells						Upper A1 Zone Wells				
		MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-17	MW-20	MW-21
<b>Total Iron</b>	Jun-03	<0.1		10.7	0.16	0.14	<0.1	0.2	0.43	0.22	<0.1	
	Sep-03	<0.05		18.7	0.41	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	
	Dec-03	0.36		30.6	3.65	0.19	0.14	0.38	0.36	0.24	1.2	
	Mar-04	0.15		10.5	4.14	<0.1	<0.1	<0.1	<0.1	0.62	<0.1	
	Jun-04	<0.1		5.6	<0.1	0.12	0.2	0.2	0.15	<0.1	0.2	
	Sep-04	0.12		5.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	
	Dec-04	<0.1		1.65	0.36	0.45	0.4	0.25	0.17	0.13	NS-FP	
	Mar-05	<0.1		1.87	0.25	<0.1	<0.1	0.11	<0.1	<0.1	NS-FP	
	Jun-05	<0.1		0.68	0.17	0.16	<0.1	0.1	<0.1	<0.1	NS-FP	
	Sep-05	<0.1		7.5	1.4	<0.1	<0.1	0.3	<0.1	<0.1	NS-FP	
	Dec-05	0.11	<0.1	0.59	0.61	<0.1	NA	<0.1	<0.1	<0.1	NS-FP	
	Mar-06	6.01	NA	NA	NA	1.05	<0.1	<0.1	<0.1	<0.1	NS-FP	
	Jun-06	77.1	2	9	8.33	0.55	0.74	0.67	0.91	0.58	0.73	NA
	Sep-06	18.4	1	1.2	2.66	0.32	0.16	0.33	1.15	0.15	2.9	NS-FP
	Dec-06	0.61	0.13	7.98	12.5	0.56	<0.1	0.13	0.3	0.23	0.5	NA
<b>Ferrous Iron</b>	Jun-03	<0.05		0.49	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Sep-03	<0.05		9.98	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Dec-03	0.15		2.32	0.73	0.16	0.21	0.21	0.22	0.14	0.17	
	Mar-04	<0.05		2.62	2.25	<0.05	0.31	0.57	<0.05	0.1	0.86	
	Jun-04	<0.05		2.42	0.15	<0.05	0.24	0.17	<0.05	<0.05	0.48	
	Sep-04	<0.05		1.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Dec-04	<0.05		<0.05	0.11	0.19	0.08	0.23	0.07	<0.05	NS-FP	
	Mar-05	<0.05		<0.05	0.25	<0.05	<0.05	0.13	<0.05	<0.05	NS-FP	
	Jun-05	<0.05		0.42	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	NS-FP	
	Sep-05	<0.05		0.42	0.14	0.1	0.1	0.07	0.07	0.09	NS-FP	
	Dec-05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NS-FP
	Mar-06	1.1	NA	NA	NA	0.53	<0.05	<0.05	<0.05	<0.05	<0.05	NS-FP
	Jun-06	2.83	0.23	0.12	0.4	0.15	<0.05	<0.05	<0.05	0.13	0.23	NA
	Sep-06	1.24	0.13	0.06	0.28	0.24	<0.05	<0.05	0.29	0.2	0.18	NS-FP
	Dec-06	0.6	0.07	0.13	0.34	0.16	<0.05	<0.05	0.12	<0.05	0.07	NA
<b>Manganese</b>	Jun-03	<0.1		6.7	1.6	<0.1	<0.1	0.4	<0.1	<0.1	0.43	
	Sep-03	0.07		12.5	2.49	0.66	0.42	0.4	<0.05	0.12	0.64	
	Dec-03	0.15		13.5	1.47	0.22	1.02	1.14	0.23	0.12	1.96	
	Mar-04	0.11		4.71	1.12	0.13	0.15	1.11	0.09	0.14	1.78	
	Jun-04	0.2		6.6	0.9	<0.05	0.2	0.4	<0.05	<0.05	0.1	
	Sep-04	0.54		9.04	1.12	0.12	0.37	1.49	0.08	0.09	1.79	
	Dec-04	0.12		5.19	1.25	<0.05	0.09	0.76	<0.05	<0.05	NS-FP	
	Mar-05	0.49		15	2.52	<0.05	<0.05	3.19	<0.05	0.33	NS-FP	
	Jun-05	0.35		8.85	2.55	0.1	<0.05	3.32	<0.05	0.16	NS-FP	
	Sep-05	0.4		7.94	3.36	0.16	0.37	0.74	0.06	0.3	NS-FP	
	Dec-05	2.07	0.23	2.49	6.05	2.62	0.25	NA	0.2	<0.05	0.4	NS-FP
	Mar-06	2.89	NA	NA	NA	2.39	<0.05	0.06	0.44	<0.05	0.05	NS-FP
	Jun-06	29	2.36	4.84	8.46	3	0.58	0.15	2.75	0.07	0.64	NA
	Sep-06	12.9	1.06	4.6	7.14	3.48	0.31	0.3	0.99	0.18	2.02	NS-FP
	Dec-06	5.41	0.41	4.4	9.14	2.63	0.36	0.15	0.37	0.06	0.4	NA
<b>Ethylene</b>	Mar-04	22.7		1,001	176	<5	255	<5	<5	<5	1,080	
	Jun-04	28.5		2,120	174	<5	<5	15.5	<5	<5	<5	
	Sep-04	30		4,620	46	<5	<5	<5	<5	<5	49	
	Dec-04	10.5		2,580	27	<5	<5	25.5	<5	<5	NS-FP	
	Mar-05	32		2,011	5	<5	<5	31.5	<5	<5	NS-FP	
	Jun-05	<5		7430	33	<5	<5	313	<5	<5	NS-FP	
	Sep-05	<5		916	<5	<5	<5	34	<5	<5	NS-FP	
	Dec-05	804	46	193	1,803	<5	<5	NA	<5	<5	<5	NS-FP
	Mar-06	151	NA	NA	NA	<5	<5	<5	<5	<5	<5	NS-FP
	Jun-06	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA
	Sep-06	21.8	167	675	1,760	<5	6.6	9.9	288	9.4	64.1	NA
	Dec-06	299	545	615	2,380	<5	<5	<5	598	<5	<5	NA

**Table 7: Dissolved Metal Sample Results (mg/L)**

<b>Dissolved Metals</b>	<b>EPA Method</b>	<b>Date</b>	<b>MW-1</b>	<b>MW-2</b>	<b>MW-3</b>	<b>MW-4</b>	<b>MW-6</b>	<b>MW-7</b>	<b>MW-8</b>	<b>MW-9</b>	<b>MCLs</b>
Antimony	7040	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			0.006
		Feb-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Arsenic	7060	Oct-01	0.026	0.061	<0.005	NS-FP	NS-FP	0.071			0.05
		Feb-02	0.068	0.044	0.006	NS-FP	NS-FP	0.113			
		Jun-02	0.064	0.046	<0.005	NS-FP	NS-FP	0.145	NS-FP	<0.005	
		Oct-02	0.015	0.038	<0.005	NS-FP	NS-FP	0.078	NS-FP	<0.005	
Barium	7080	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			1
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	0.8	0.88	0.51	NS-FP	NS-FP	0.68	NS-FP	0.66	
		Oct-02	0.984	0.962	0.91	NS-FP	NS-FP	0.897	NS-FP	0.683	
Beryllium	7090	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.004
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
		Oct-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
Cadmium	7130	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.005
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Chromium	7190	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.05
		Feb-02	<0.02	<0.02	<0.02	NS-FP	NS-FP	<0.02			
		Jun-02	0.015	0.016	0.016	NS-FP	NS-FP	0.017	NS-FP	0.019	
		Oct-02	0.0188	0.0185	0.02	NS-FP	NS-FP	0.021	NS-FP	0.024	
Cobalt	7200	Oct-01	<0.1	0.12	<0.1	NS-FP	NS-FP	<0.1			None
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	0.23	0.2	0.18	NS-FP	NS-FP	0.11	NS-FP	0.18	
		Oct-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	
Copper	7210	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			1.3
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	
		Oct-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1	NS-FP	<0.1	

**Table 7 (cont.): Dissolved Metal Sample Results (mg/L)**

Dissolved Metals	EPA Method	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MCLs
Lead	7240	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.05
		Feb-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Mercury	7471	Oct-01	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001			0.002
		Feb-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001			
		Jun-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001	NS-FP	<0.001	
		Oct-02	<0.001	<0.001	<0.001	NS-FP	NS-FP	<0.001	NS-FP	<0.001	
Molybdenum	7480	Oct-01	<0.4	<0.4	<0.4	NS-FP	NS-FP	<0.4			0.035*
		Feb-02	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			
		Jun-02	<0.035	<0.035	<0.035	NS-FP	NS-FP	<0.035	NS-FP	<0.035	
		Oct-02	<0.035	<0.035	<0.035	NS-FP	NS-FP	<0.035	NS-FP	<0.035	
Nickel	7520	Oct-01	<0.1	<0.1	<0.1	NS-FP	NS-FP	<0.1			0.1
		Feb-02	<0.04	<0.04	<0.04	NS-FP	NS-FP	<0.04			
		Jun-02	0.14	0.17	0.2	NS-FP	NS-FP	0.21	NS-FP	0.18	
		Oct-02	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05	NS-FP	<0.05	
Selenium	7740	Oct-01	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			0.05
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
		Oct-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005	NS-FP	<0.005	
Silver	7760	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			0.1
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	
		Oct-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	
Thallium	7840	Oct-01	<0.2	<0.2	<0.2	NS-FP	NS-FP	<0.2			0.002
		Feb-02	<0.005	<0.005	<0.005	NS-FP	NS-FP	<0.005			
		Jun-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
		Oct-02	<0.002	<0.002	<0.002	NS-FP	NS-FP	<0.002	NS-FP	<0.002	
Vanadium	7910	Oct-01	<0.5	<0.5	<0.5	NS-FP	NS-FP	<0.5			0.06*
		Feb-02	0.03	0.05	0.16	NS-FP	NS-FP	0.14			
		Jun-02	<0.06	<0.06	<0.06	NS-FP	NS-FP	<0.06	NS-FP	<0.06	
		Oct-02	<0.06	<0.06	<0.06	NS-FP	NS-FP	<0.06	NS-FP	<0.06	
Zinc	7950	Oct-01	<0.05	<0.05	<0.05	NS-FP	NS-FP	<0.05			5
		Feb-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01			
		Jun-02	0.07	0.04	0.05	NS-FP	NS-FP	0.04	NS-FP	0.23	
		Oct-02	<0.01	<0.01	<0.01	NS-FP	NS-FP	<0.01	NS-FP	<0.01	

NS-FP= Not Sampled Free Product present.

MCLs= Maximum Contaminant Levels.

\* = Health Advisories.

**TABLE 8 FACC Free Product Removal Data Summary**

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-1	11/30/2000	Sheen	None	0	0	0
	10/30/2001	Sheen	None	0	0	0
	2/15/2002	0.02	None	0	0	0
	11/13/2002	0.03	None	0	0	0

MW-1 Total Liters Removed: 0.000

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-4	10/30/2001	Sheen	None	0	0	0
	2/15/2002	0.06	None	0	0	0
	10/7/2002	Not measured	None	0	0	0
	6/30/2004		0.2	None	0	0
	7/23/2004		0.17	None	0	0
	9/16/2004		0.16	Bailer	15 mL	15
	9/28/2004		0.14	None	0	15
	10/11/2004		0.14	Bailer	15 mL	30
	10/22/2004		0.12	None	0	30
	11/1/2004		0.12	None	0	30
	11/24/2004		0.12	None	0	30
	12/21/2004		0.13	Bailer	10 mL	10
	1/4/2005		0.12	None	0	40
			None	0	0	40

MW-4 Total Liters Removed: 0.040

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-6	11/30/2000	Not measured	None	0	0	0
	10/30/2001		None	0	0	0
	1/18/2002		Bailer	1.0 gallon	3785	3785
	2/15/2002		Bailer	0.5 gallon	1892	5677
	6/7/2002		Bailer	1.0 gallon	3785	9462
	6/10/2002		Bailer	0.5 gallon	1892	11354
	6/13/2002		Bailer	0.5 gallon	1893	13247
	6/14/2002		Bailer	0.5 gallon	1893	15140
	10/7/2002		None	0	0	15140
	12/2/2002		None	0	0	15140
	9/16/2004		None	0	0	15140
	9/28/2004		None	0	0	15140
	10/11/2004		None	0	0	15140
	10/22/2004		None	0	0	15140
	11/1/2004		None	0	0	15140
	11/24/2004		None	0	0	15140
	12/21/2004		Bailer	25 mL	25	15165
	1/4/2005		None	0	0	15165
			None	0	0	15165

MW-6 Total Liters Removed: 15.165

**TABLE 8 FACC Free Product Removal Data Summary**

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-8	6/7/2002	Not measured	Bailer	2 gallons	7570	7570
	6/10/2002		None	0	0	7570
	6/13/2002		Bailer	1 gallon	3785	11355
	6/14/2002		Bailer	3 gallons	11355	22710
	10/7/2002		Not Measured	None	0	22710
	12/2/2002		Not Measured	None	0	22710
	12/18/2002		Not Measured	Bailer	1 gallon	3785
	12/18/2002		Bailer	1 L	1000	23710
	2/8/2004		Bailer	100 mL	100	23810
	2/10/2004		Bailer	100 mL	100	23910
	2/11/2004		None	0	0	23910
	2/13/2004		Not Measured	None	0	23910
	2/14/2004		Bailer	50 mL	50	23960
	2/16/2004		Not Measured	None	0	23960
	2/17/2004		None	0	0	23960
	2/18/2004		None	0	0	23960
	3/19/2004		Bailer	150 mL	150	24110
	4/30/2004		Bailer	250 mL	250	24360
	5/27/2004		Bailer	50 mL	50	24410
	6/30/2004		Bailer	50 mL	50	24460
	7/9/2004		Bailer	10 mL	10	24470
	7/23/2004		Bailer	20 mL	20	24490
	8/13/2004		Bailer	50 mL	50	24540
	9/16/2004		Bailer	250 mL	250	24790
	9/28/2004		Bailer	300 mL	300	25090
	10/1/2004		Bailer	350 mL	350	25440
	10/22/2004		Bailer	400 mL	400	25840
	11/1/2004		Bailer	75 mL	75	25915
	11/24/2004		Bailer	50 mL	50	25965
	12/8/2004		Bailer	250 mL	250	26215
	12/21/2004		Bailer	150 mL	150	26365
	1/4/2005		Bailer	125 mL	125	26490
	4/2/2005			0	0	No Sheen

MW-8 Total Liters Removed: 26.490

**TABLE 8 FACC Free Product Removal Data Summary**

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-10	3/19/2004	0.29	Bailer	0.25 gallons	946	946
	4/30/2004	0.4	Bailer	100 mL	100	1046
	5/27/2004	0.82	Bailer	0.5 gallons	1893	2939
	6/30/2004	0.51	Bailer	0.25 gallons	946	3885
	7/9/2004	0.12	Bailer	15 mL	15	3900
	7/23/2004	0.26	Bailer	10 mL	10	3910
	8/13/2004	1.18	Bailer	1 gallon	3785	7695
	9/16/2004	1.43	Bailer	1.25 gallons	4731	12426
	9/28/2004	0.57	Bailer	500 mL	500	12926
	10/11/2004	0.54	Bailer	600 mL	600	13526
	10/22/2004	0.63	Bailer	500 mL	500	14026
	11/11/2004	0.29	Bailer	200 mL	200	14226
	11/24/2004	0.2	Bailer	75 mL	75	14301
	12/8/2004	0.15	Bailer	50 mL	50	14351
	12/21/2004	0.18	Bailer	100 mL	100	14451
	1/4/2005	0.11	Bailer	500 mL	50	14501
	1/20/2005	0.11	Bailer	100 mL	100	14601
	2/1/2005	0.12	Bailer	100 mL	100	14701
	2/16/2005	0.06	Bailer	50 mL	50	14751
	3/11/2005	0.01		0	0	14751
	4/2/2005	0		0	0	No Sheen
					<b>MW-10 Total Liters Removed:</b>	<b>14.751</b>
MW-16	1/29/2004	0.51	None	0	0	0
	2/8/2004	0.51	Bailer	250 mL	250	250
	2/10/2004	0.37	Bailer	150 mL	150	400
	2/11/2004	0.29	Bailer	100 mL	100	500
	2/13/2004	Not Measured	None	0	0	500
	2/14/2004	Not Measured	None	0	0	500
	2/16/2004	Not Measured	None	0	0	500
	2/17/2004	Not Measured	None	0	0	500
	2/18/2004	Not Measured	None	0	0	500
	3/19/2004	0.19	Bailer	150 mL	150	650
	4/30/2004	0.41	Bailer	100 mL	100	750
	5/27/2004	0.08	Bailer	25 mL	25	775
	6/30/2004	0.34	Bailer	25 mL	25	800
	7/9/2004	0.24	Bailer	10 mL	10	810
	7/23/2004	0.24	Bailer	10 mL	10	820
	8/13/2004	0.28	Bailer	50 mL	50	870
	9/16/2004	0.12	Bailer	20 mL	20	890
	9/28/2004	0.13	Bailer	20 mL	20	910
	10/11/2004	0.06	None	0	0	910
	10/22/2004	0.11	Bailer	15 mL	15	925
	11/11/2004	0.04	None	0	0	925
	11/24/2004	0.02	None	0	0	925
	12/21/2004	0.03	Bailer	5 mL	5	930
					<b>MW-16 Total Liters Removed:</b>	<b>0.930</b>

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-18	1/29/2004	5.15	?	0	0	0
	2/8/2004	4.96	Bailer	4.5 gallons	17033	17033
	2/10/2004	3.76	Bailer	3 gallons	11355	28388
	2/11/2004	3.92	Pump	3.25 gallons	12301	40689
	2/13/2004	3.86	Pump	3.25 gallons	12301	52990
	2/14/2004	4.3	Pump	4.5 gallons	17033	70023
	2/16/2004	4	Pump	3.75 gallons	14194	84217
	2/17/2004	3.8	Pump	3.5 gallons	13248	97465
	2/19/2004	3.3	Pump	3 gallons	11355	108820
	3/4/2004	Not Measured	Pump	3 gallons	11355	120175
	3/5/2004	Not Measured	Pump	1.5 gallons	5678	125853
	3/9/2004	2.96	Pump	4 gallons	15140	140993
	3/10/2004	Not Measured	Pump	1 gallon	3785	144778
	3/19/2004	2.77	Bailer	3 gallons	11355	156133
	4/30/2004	3.5	Bailer	3.75 gallons	14194	170327
	5/27/2004	4.6	Bailer	2.5 gallons	9463	179790
	6/30/2004	2.99	Bailer	1.5 gallons	5678	185468
	7/9/2004	1.75	Bailer	1.0 gallon	3785	189253
	7/23/2004	2.04	Bailer	1.0 gallon	3785	193038
	8/13/2004	1.65	Bailer	0.75 gallons	2839	195877
	9/16/2004	0.23	Bailer	100 mL	100	195977
	9/28/2004	0.02	None	0	0	195977
	10/1/2004	0.02	None	0	0	195977
	10/22/2004	0.02	None	0	0	195977
	11/1/2004	0.22	Bailer	75 mL	75	196052
	11/24/2004	0.79	Bailer	500 mL	500	196552
	12/8/2004	0.96	Bailer	600 mL	600	197152
	12/21/2004	0.91	Bailer	600 mL	600	197752
	1/4/2005	1.22	Bailer	700 mL	700	198452
	1/20/2005	0.36	Bailer	200 mL	200	198652
	2/1/2005	0.66	Bailer	350 mL	350	199002
	2/16/2005	0.58	Bailer	300 mL	300	199302
	3/11/2005	0.13	Bailer	50 mL	50	199352
	4/2/2005	0.34	Bailer	200 mL	200	199552
	4/5/2005	0.04	Skimmer	380 mL	380	199932
	4/7/2005	0.04	Skimmer	380 mL	380	200312
	4/9/2005	0.04	Skimmer	380 mL	380	200692
	4/11/2005	0.04	Skimmer	380 mL	380	201072
	4/13/2005	0.04	Skimmer	380 mL	380	201452
	4/15/2005	0.04	Skimmer	380 mL	380	201832
	4/19/2005	0.04	Skimmer	380 mL	380	202212
	4/20/2005	0.04	Skimmer	380 mL	380	202592
	4/22/2005	0.04	Skimmer	380 mL	380	202972
	4/25/2005	0.04	Skimmer	380 mL	380	203352
	4/27/2005	0.04	Skimmer	380 mL	380	203732
	4/29/2005	0.04	Skimmer	380 mL	380	204112
	5/4/2005	0.04	Skimmer	380 mL	380	204492
	5/6/2005	0.04	Skimmer	380 mL	380	204872
	5/10/2005	0.03	Skimmer	300 mL	300	205172
	5/13/2005	0.03	Skimmer	300 mL	300	205472
	5/18/2005	0.03	Skimmer	300 mL	300	205772
	5/21/2005	0.03	Skimmer	200 mL	200	205972
	5/27/2005	0.04	Skimmer	200 mL	200	206172
	6/3/2005	0.04	Skimmer	100 mL	100	206272
	6/11/2005	0.03	Skimmer	100 mL	100	206372
	6/18/2005	0.04	Skimmer	100 mL	100	206472
	6/25/2005	0.04	Skimmer	100 mL	100	206572
	7/2/2005	0.03	Skimmer	100 mL	100	206672
	7/9/2005	0.03	Skimmer	100 mL	100	206772
	7/16/2005	0.03	Skimmer	100 mL	100	206872
	7/16/2005	0.03	Skimmer	100 mL	100	206972
	7/23/2005	0.03	Skimmer	100 mL	100	207072
	7/30/2005	0.03	Skimmer	100 mL	100	207172
	8/6/2005	0.03	Skimmer	100 mL	100	207272
	8/13/2005	0.03	Skimmer	100 mL	100	207372
	8/20/2005	0.03	Skimmer	100 mL	100	207472
	8/27/2005	0.02	Skimmer	100 mL	100	207572
	9/3/2005	0.02	Skimmer	100 mL	100	207672
	9/10/2005	0.02	Skimmer	50 mL	50	207722
	9/19/2005	0.03	Skimmer	50 mL	50	207772
	10/1/2005	0.03	Skimmer	50 mL	50	207822
	10/8/2005	0.02	Skimmer	50 mL	50	207872
	10/15/2005	0.02	Skimmer	50 mL	50	207922
	10/24/2005	0.02	Skimmer	50 mL	50	207972
	10/31/2005	0.02	Skimmer	50 mL	50	208022
	11/12/2005	Sheen	Skimmer	0 mL	0	208022
	3/11/2006	Sheen	Skimmer	25mL	25	208047
	6/16/2006	Sheen	Skimmer	0	0	208047
	12/18/2007	0.65	Bailer	200mL	200	208247
	12/28/2007	0.88	Bailer	220 mL	220	208467
	3/13/2008	Sheen	Bailer	20 mL	20	208487
	6/17/2008	Sheen	Skimmer	30mL	30	208517
	9/18/2008	Sheen	Skimmer	286mL	285	208802
	12/8/2008	Sheen	Skimmer	145mL	145	208947
	3/25/2009	Sheen	Skimmer	280mL	280	209227

MW-18 Total Liters Removed: 209.227

TABLE 8 FACC Free Product Removal Data Summary

Well ID	Date	Product Thickness (feet)	Method of Removal	Volume Removed	Volume Removed (mL)	FP Removed to Date (mL)
MW-19	1/29/2004	1.75	Bailer	200 mL	200	200
	2/8/2004	0.43	Bailer	300 mL	300	500
	2/10/2004	0.7	Bailer	100 mL	100	600
	2/11/2004	0.27	Pump	0	0	600
	2/13/2004	Not Measured	None	0	0	600
	2/14/2004	0.6	Pump	250 mL	250	850
	2/16/2004	0.3	Pump	100 mL	100	950
	2/17/2004	0.25	Pump	100 mL	100	1050
	2/18/2004	0.23	Pump	100 mL	100	1150
	3/19/2004	1.51	Bailer	0.75 gallons	2839	3989
	4/30/2004	2.05	Bailer	1.25 gallons	4731	8720
	5/27/2004	2.2	Bailer	1.25 gallons	4731	13451
	6/30/2004	2.04	Bailer	1 gallon	3785	17236
	7/9/2004	1.1	Bailer	0.5 gallons	1893	19129
	7/23/2004	0.77	Bailer	0.4 gallons	1514	20643
	8/13/2004	1.07	Bailer	0.5 gallons	1893	22535
	9/16/2004	1.38	Bailer	0.5 gallons	1893	24428
	9/28/2004	0.94	Bailer	400 mL	400	24828
	10/11/2004	0.75	Bailer	450 mL	450	25278
	10/22/2004	0.53	Bailer	250 mL	250	25528
	11/11/2004	0.66	Bailer	450 mL	450	25978
	11/24/2004	0.78	Bailer	500 mL	500	26478
	12/8/2004	0.88	Bailer	500 mL	500	26978
	12/21/2004	1	Bailer	600 mL	600	27578
	1/4/2005	1.05	Bailer	600 mL	600	28178
	1/20/2005	0.95	Bailer	500 mL	500	28678
	2/1/2005	0.65	Bailer	375 mL	375	29053
	2/16/2005	0.5	Bailer	300 mL	300	29353
	3/1/2005	0.35	Bailer	100 mL	100	29453
	4/2/2005	0.42	Bailer	250 mL	250	29703
	4/5/2005	0.04	Skimmer	380 mL	380	30083
	4/7/2005	0.04	Skimmer	380 mL	380	30463
	4/9/2005	0.04	Skimmer	380 mL	380	30843
	4/11/2005	0.04	Skimmer	380 mL	380	31223
	4/13/2005	0.04	Skimmer	380 mL	380	31603
	4/15/2005	0.04	Skimmer	380 mL	380	31983
	4/19/2005	0.04	Skimmer	380 mL	380	32363
	4/20/2005	0.04	Skimmer	380 mL	380	32743
	4/22/2005	0.04	Skimmer	380 mL	380	33123
	4/25/2005	0.04	Skimmer	380 mL	380	33503
	4/27/2005	0.04	Skimmer	380 mL	380	33883
	4/29/2005	0.04	Skimmer	380 mL	380	34263
	5/4/2005	0.04	Skimmer	380 mL	380	34643
	5/6/2005	0.04	Skimmer	380 mL	380	35023
	5/10/2005	0.03	Skimmer	300 mL	300	35323
	5/13/2005	0.03	Skimmer	300 mL	300	35623
	5/18/2005	0.03	Skimmer	300 mL	300	35923
	5/21/2005	0.03	Skimmer	200 mL	200	36123
	5/27/2005	0.05	Skimmer	200 mL	200	36323
	6/3/2005	0.04	Skimmer	300 mL	300	36623
	6/11/2005	0.04	Skimmer	200 mL	200	36823
	6/18/2005	0.04	Skimmer	200 mL	200	37023
	6/25/2005	0.04	Skimmer	200 mL	200	37223
	7/2/2005	0.03	Skimmer	200 mL	200	37423
	7/9/2005	0.03	Skimmer	200 mL	200	37623
	7/16/2005	0.03	Skimmer	200 mL	200	37823
	7/16/2005	0.03	Skimmer	200 mL	200	38023
	7/23/2005	0.03	Skimmer	200 mL	200	38223
	7/30/2005	0.03	Skimmer	200 mL	200	38423
	8/6/2005	0.03	Skimmer	200 mL	200	38623
	8/13/2005	0.03	Skimmer	200 mL	200	38823
	8/20/2005	0.03	Skimmer	200 mL	200	39023
	8/27/2005	0.02	Skimmer	150 mL	150	39173
	9/3/2005	0.02	Skimmer	150 mL	150	39323
	9/10/2005	0.02	Skimmer	150 mL	150	39473
	9/19/2005	0.03	Skimmer	150 mL	150	39623
	10/1/2005	0.03	Skimmer	150 mL	150	39773
	10/8/2005	0.02	Skimmer	100 mL	100	39873
	10/15/2005	0.02	Skimmer	100 mL	100	39973
	10/24/2005	0.02	Skimmer	100 mL	100	40073
	10/31/2005	0.02	Skimmer	100 mL	100	40173
	11/12/2005	0.02	Skimmer	250 mL	250	40423
	12/12/2005	0.02	Skimmer	200 mL	200	40623
	1/12/2006	0.01	Skimmer	150 mL	150	40773
	2/11/2006	0.01	Skimmer	150 mL	150	40923
	3/11/2006	0.01	Skimmer	125 mL	125	41048
	4/22/2006	Sheen	Skimmer	100ml	100	41148
	5/20/2006	Sheen	Skimmer	100 ml	100	41248
	6/16/2006	Sheen	Skimmer	60 ml	60	41308
	9/19/2006	0.05	Skimmer	40 ml	40	41348
	12/7/2006	0.01	Skimmer	25ml	25	41373
	3/19/2007	0.005	Skimmer	20 ml	20	41393
	6/27/2007	0.0005	Skimmer	30 ml	30	41423
	9/26/2007	Sheen	Skimmer	20	20	41443
	12/18/2007	Sheen	Skimmer	20	20	41463
	3/13/2008	Sheen	Skimmer	5mL	5	41468
	6/17/2008	Sheen	Skimmer	30mL	30	41498
	09/18/2008	Sheen	Skimmer	320mL	320	41818
	12/8/2008	Sheen	Skimmer	300mL	300	42118
	3/25/2009	Sheen	Skimmer	420mL	420	42538

MW-19 Total Liters Removed: 42.538

MW-21	12/8/2004	2.98	Bailer	1500 mL	1500	1500
	12/13/2004	0.22	Bailer	50 mL	50	1550
	12/21/2004	0.04	Bailer	5 mL	5	1555
	1/4/2005	0.04	None	0	0	1555
	2/1/2005	0.002	Bailer	3 mL	3	1558
	4/2/2005	0		0	0	No Sheen

MW-21 Total Liters Removed: 1.558

MW-22	2/10/2004	0.04	None	0	0	0
-------	-----------	------	------	---	---	---

MW-22 Total Liters Removed: 0.000

GRAND TOTAL REMOVED: 310.699 LITERS

**Table 9**

Quarter	Average of VOC Concentrations Measured <sup>*1</sup>	Averaged Flow Rate <sup>*2</sup>	Run Time <sup>*3</sup>	Molecular Weight of Vapor <sup>*4</sup>	Molar Volume of Air <sup>*5</sup>	VOCs Extracted	
	C <sub>VOC</sub>					FR	RT
	(ppmv)					(scfm)	(hours)
4th 2005	751	247	1384	103.5	358	0.0536	3.22
1st 2006	580	222	1791	103.5	358	0.0372	2.23
2nd 2006	405	262	1757	103.5	358	0.0307	1.84
3rd 2006	295	276	1888	103.5	358	0.0235	1.41
4th 2006	124	257	1501	103.5	358	0.00919	0.551
							<b>4455</b>
							<b>3996</b>
							<b>3238</b>
							<b>2661</b>
							<b>828</b>

Total Mass (lbs) of VOCs Extracted by Thermal Oxidizer Based SVE System 15,178

<sup>\*6</sup>

1st 2007	<b>system down</b>							
2nd 2007	<b>system down</b>							
3rd 2007	<b>system down</b>							
4th 2007	330	170	1402	125.7	358	0.01972	1.183	<b>1,659</b>
1st 2008	227	191	1560	125.7	358	0.01520	0.912	<b>1,422</b>
2nd 2008	13	120	96	125.7	358	0.00053	0.032	<b>3</b>
3rd 2008	10	120	2232	125.7	358	0.00042	0.025	<b>56</b>
4th 2008	167	120	2208	125.7	358	0.007	0.42218	<b>932</b>
1st 2009	300	120	2160	125.7	358	0.013	0.75841	<b>1638</b>

Total Mass (lbs) of VOCs Extracted by Carbon Based SVE System 5,711

**Notes**

- \*1 Averaged VOC Concentration (VOCC) = Average of PID values measured during the quarter
- \*2 Averaged Flow Rate (FR) = Calculated flow rate of SVE system (In CFM) averaged over the quarter
- \*3 Run Time (RT) = Total number of hours as recorded from monitoring logs for the quarter.
- \*4 Avg Molecular weight of VOC vapor (MwV) in pounds per pound-mole based on Jan 22, Feb 17 and March 9th, 2006 samples
- \*5 Molar Volume of Air (MvA) = 358 cubic foot per pound-mole of Air at STP
- \*6 Avg Molecular weight of VOC vapor (MwV) in pounds per pound-mole based on Oct 12 and Nov 12, 2007 samples

**Formulas Used for Extraction Calculation**

$$\text{VOCC} \times \text{FR} \times \text{MwV} / \text{MvA} \times 1,000,000 = \text{VOC Rate (lbs/min)}$$

$$\text{VOC Rate (lb/hr)} \times \text{RT} = \text{VOC (lbs/Quarter)}$$

**APPENDIX A**

**FIELD SAMPLING LOGS**

## WELL GAUGING DATA

CLEAN SOIL INC.

DATE: 03-25-2009

PAGE 1 of 2

SITE: FORMER ANGELES CHEMICAL FACILITY

TECHNICIAN MKS/AW

SITE ADDRESS: 8915 SORENSEN AVE. SANTA FE SPRINGS, CA.

WELL ID.	WELL SIZE	TIME	SHEEN/ODOR	DEPTH TO IMMISSIBLES	THICKNESS OF LAYER	DEPTH TO WATER	DEPTH TO WELL BOTTOM
MW-4	4"	0800	—	—	—	—	dry
MW-6	4"	0810	—	—	—	—	dry
MW-8	4"	0836	—	—	—	37.18	"dry" NS
MW-9	4"	0720	—	—	—	40.31	✓
MW-10	4"	1115	—	—	—	—	dry
MW-11	2"	0920	—	—	—	37.35	40.00 NS
MW-12	2"	1135 <del>1100</del>	—	—	—	36.56	dry NS
MW-13	2"	1115	—	—	—	53.50	✓
MW-14	2"	1013 <del>0934</del>	—	—	—	54.20	62.50 8420 dry NS
MW-15	2"	1030	—	—	—	55.64	55.64 ✓

## WELL GAUGING DATA

CLEAN SOIL INC.

DATE: 03-25-2009

PAGE 2 of 2

SITE: FORMER ANGELES CHEMICAL FACILITY

TECHNICIAN MHS/AW

SITE ADDRESS: 8915 SORENSEN AVE. SANTA FE SPRINGS, CA

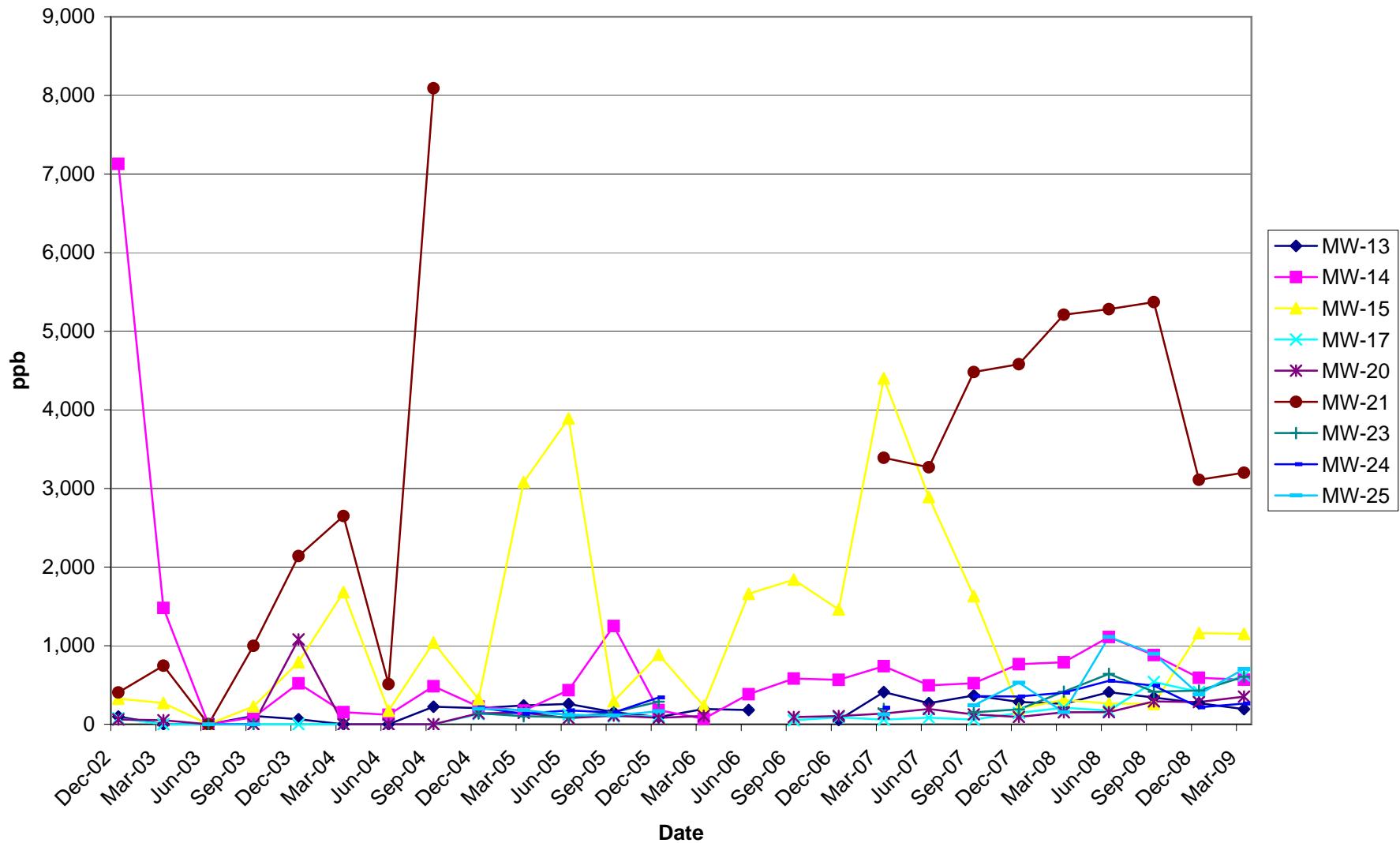
WELL ID.	WELL SIZE	TIME	SHEEN/ ODOR	DEPTH TO IMMISSIBLES	THICKNESS OF LAYER	DEPTH TO WATER	DEPTH TO WELL BOTTOM
----------	-----------	------	-------------	----------------------	--------------------	----------------	----------------------

MW-16	2"	<u>0816</u>	—	—	—	<u>39.90</u>	<u>45.16</u>	✓
MW-17	2"	<u>0744</u>	—	—	—	<u>52.20</u>	—	✓
MW-18	2"	<u>1055</u>	Y	—	—	<u>45.00</u>	<u>46.10</u>	NS
MW-19	2"	<u>0920</u>	Y	<u>41.15</u>	?	<u>41.15</u>	<u>41.15</u>	"dry"
MW-20	2"	<u>0903</u> <u>52.45</u>	—	—	—	<u>52.95</u>	—	✓
MW-21	2"	<u>1105</u>	—	—	—	<u>54.16</u>	—	✓
MW-22	2"	<u>1010</u>	—	—	—	—	—	dry
MW-23	4"	<u>0800</u>	—	—	—	<u>50.80</u>	—	✓
MW-24	4"	<u>1050</u>	—	—	—	<u>53.94</u>	—	✓
MW-25	4"	<u>1000</u>	—	—	—	<u>55.70</u>	—	✓
MW-26	2"	<u>1005</u>	—	—	—	—	—	dry

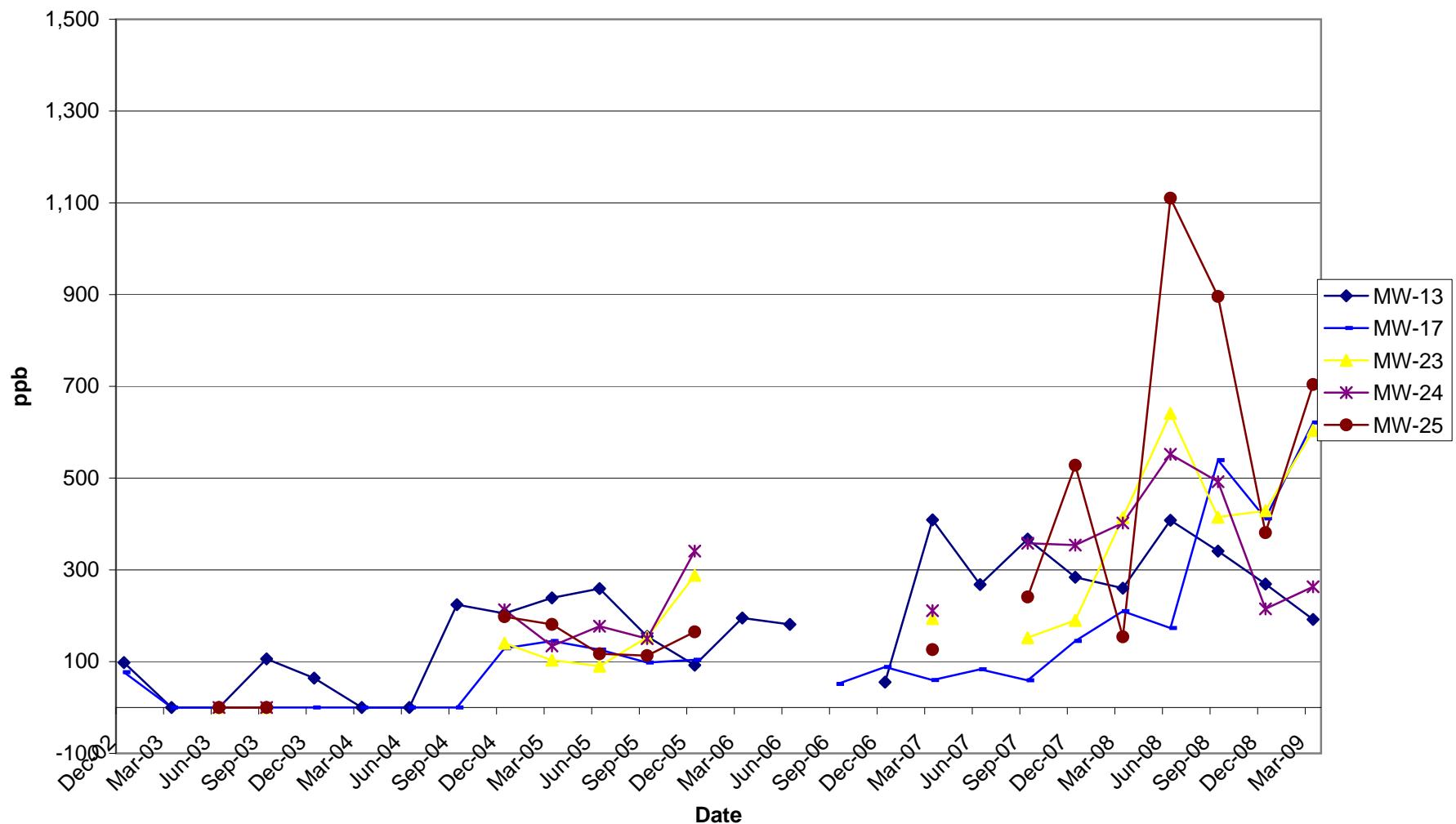
## **APPENDIX B**

## **CONTAMINANT GRAPHS**

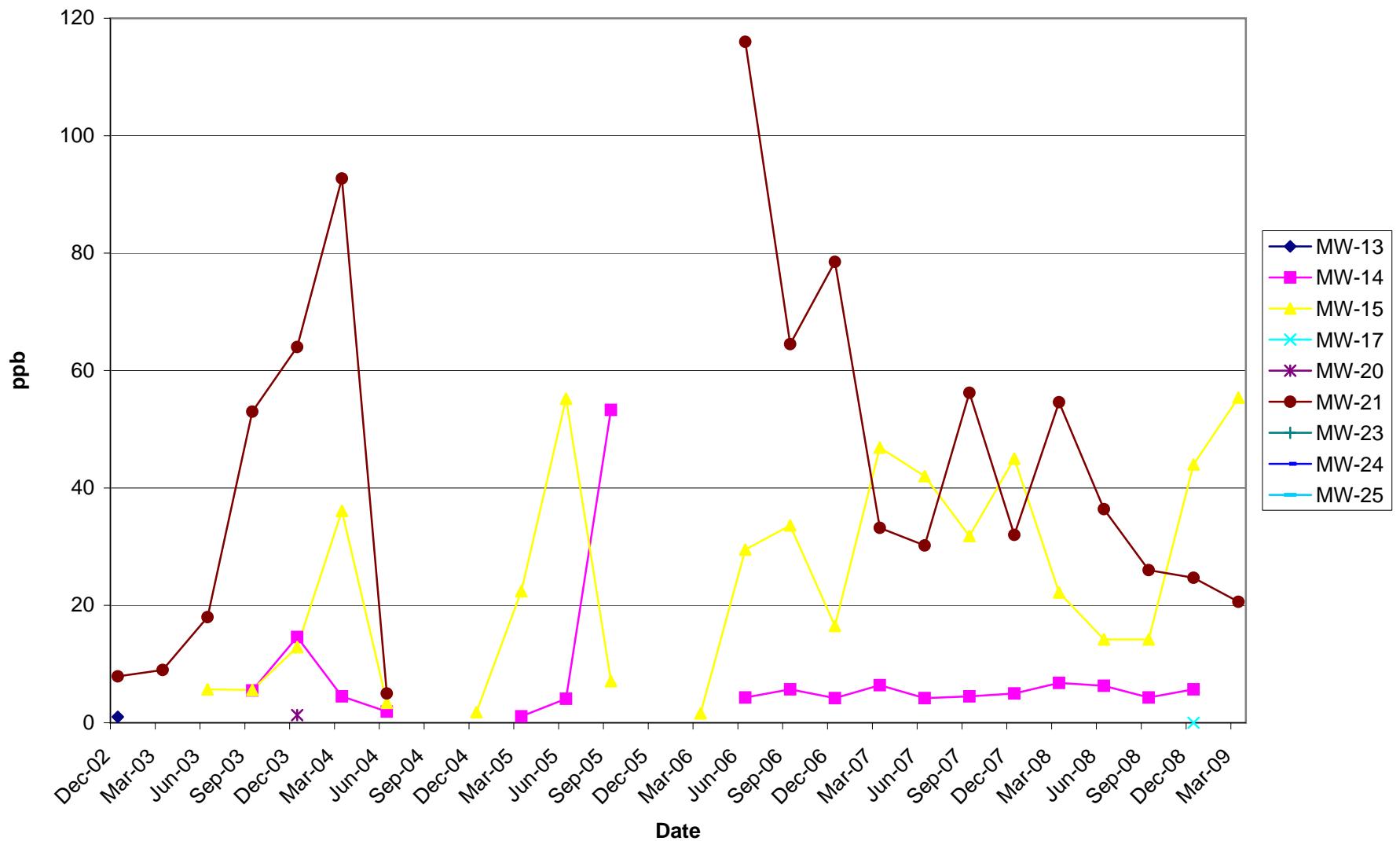
## Dissolved TPH-gas in A1 Wells



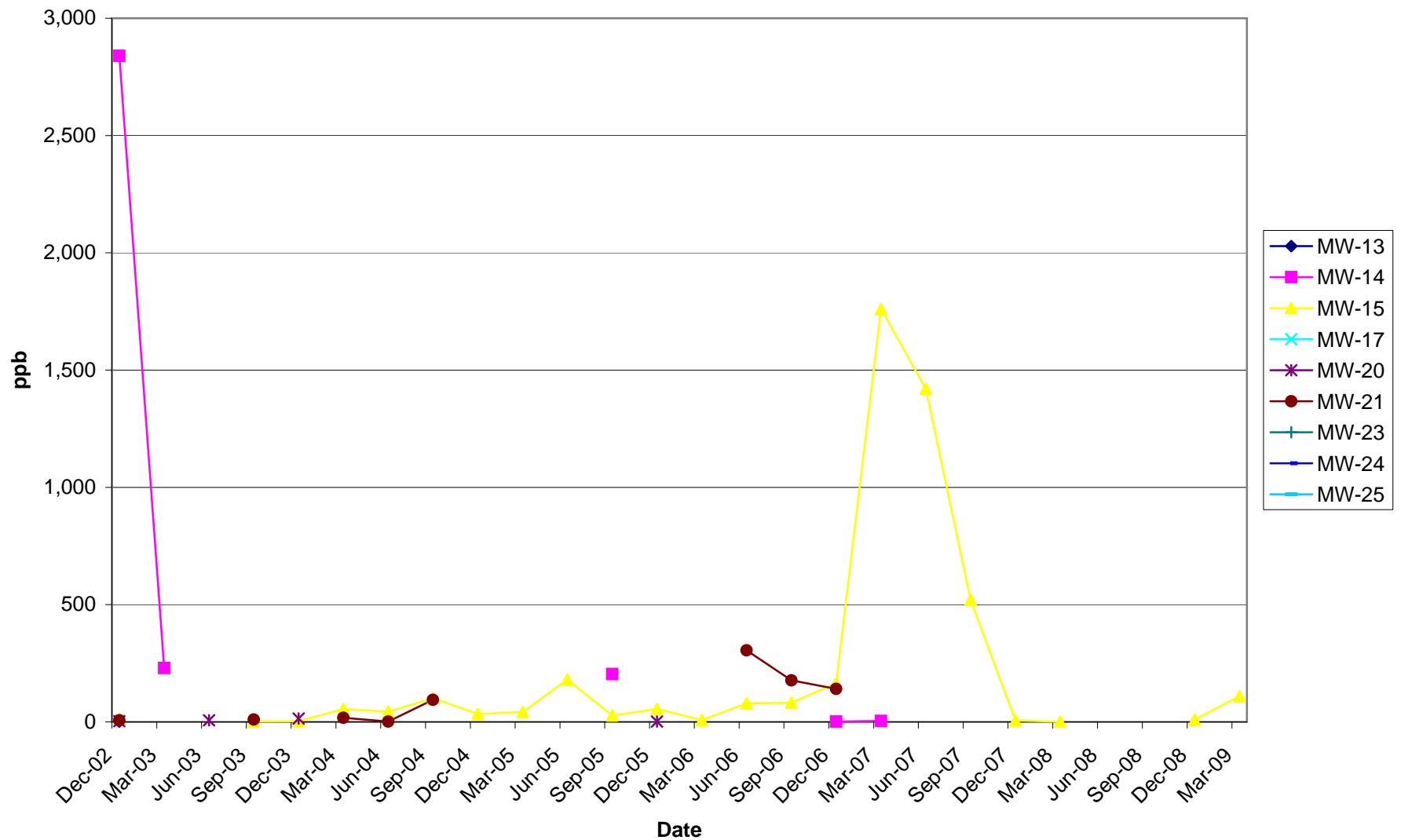
**Dissolved TPH-gas in A1 Wells**  
**(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)**



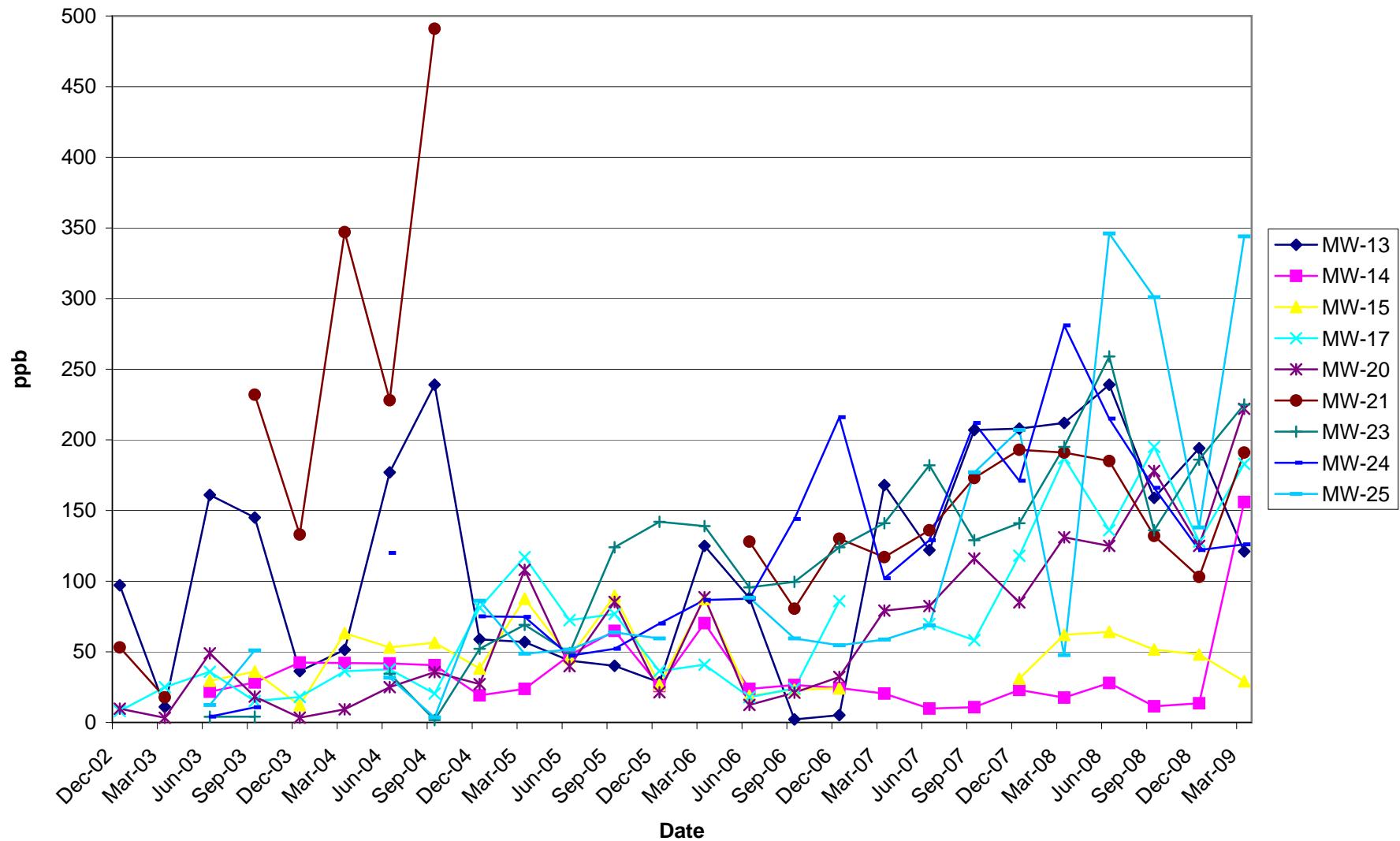
### Dissolved Benzene in A1 Wells



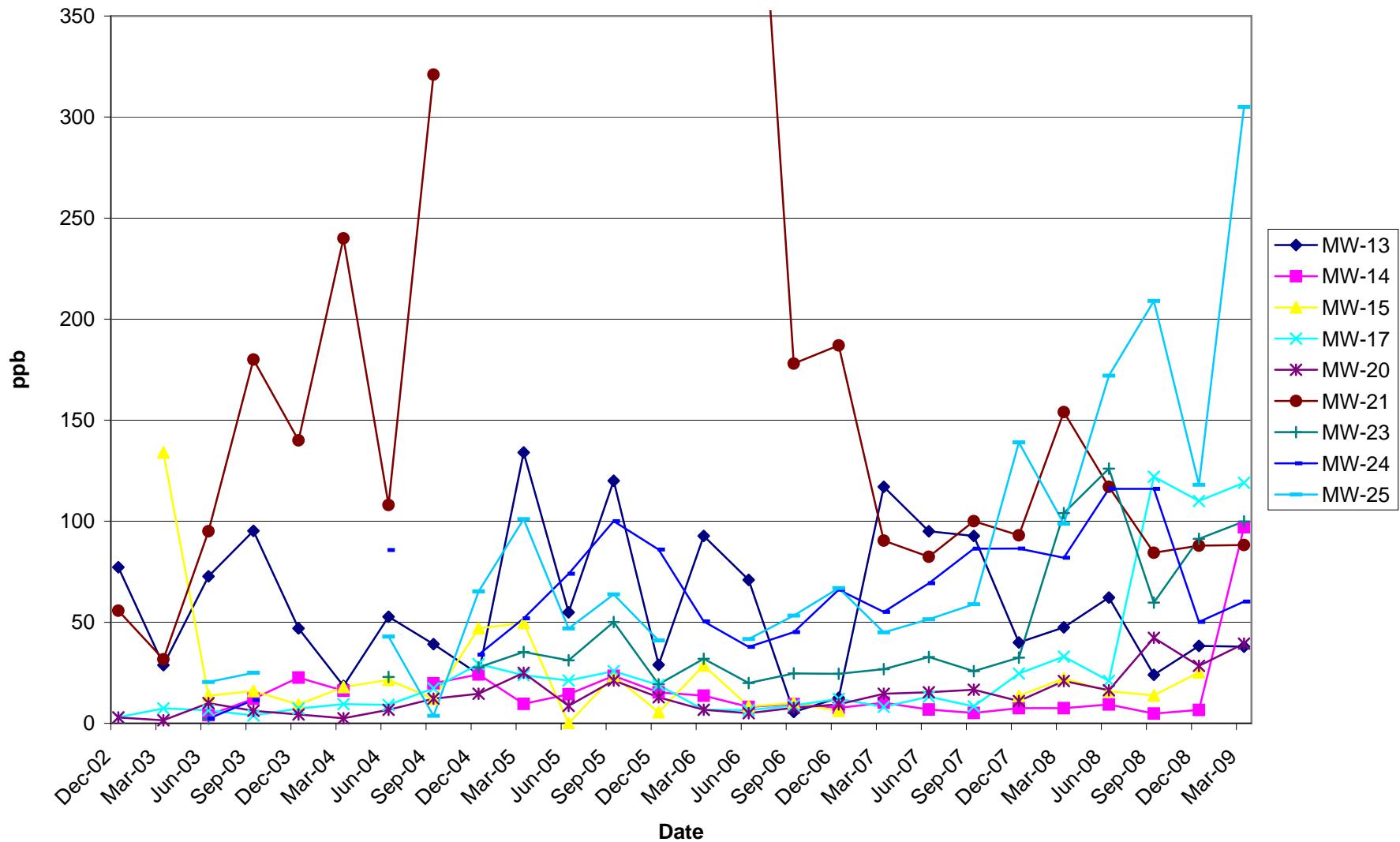
### Dissolved Toluene in A1 Wells



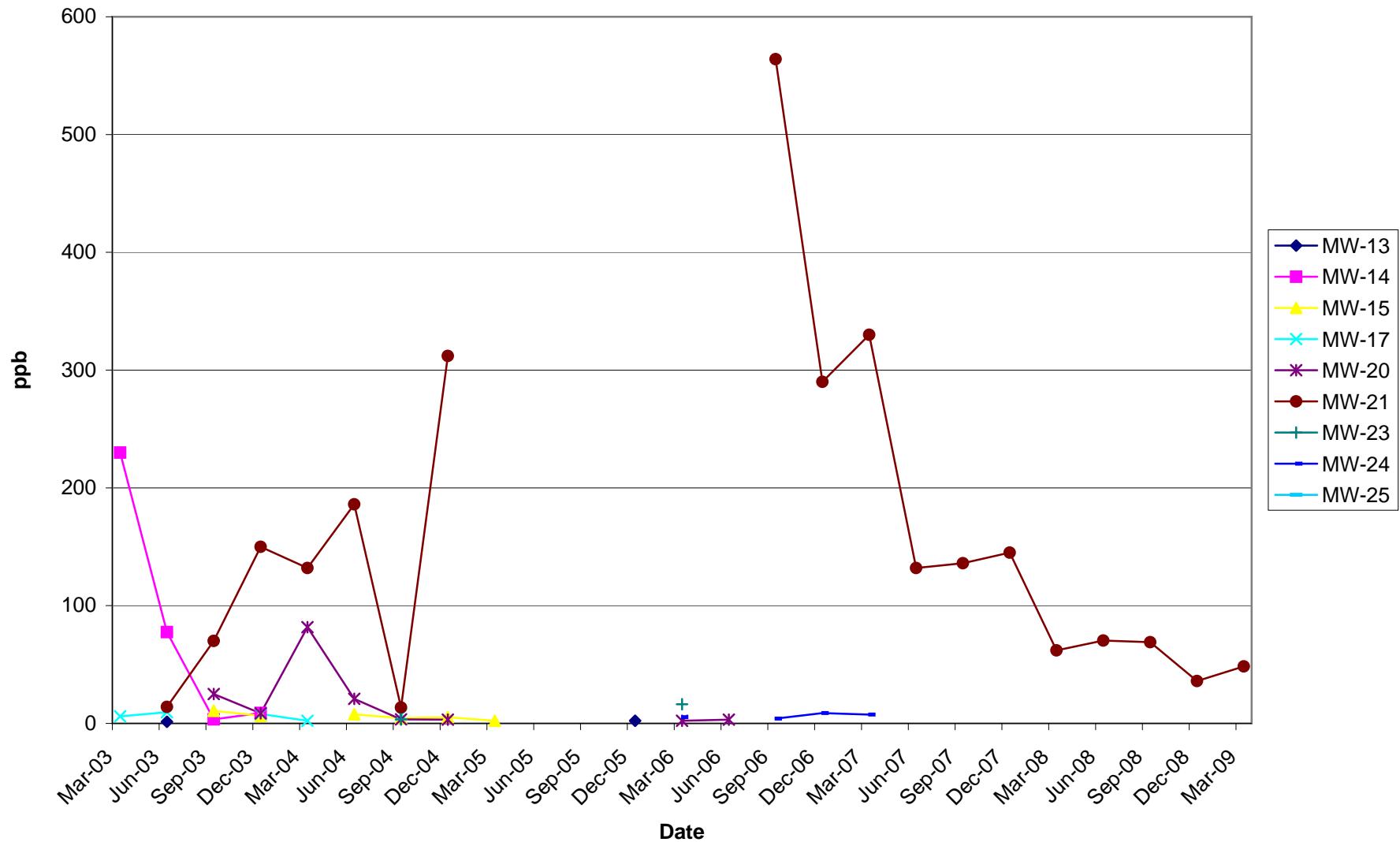
## Dissolved PCE in A1 Wells



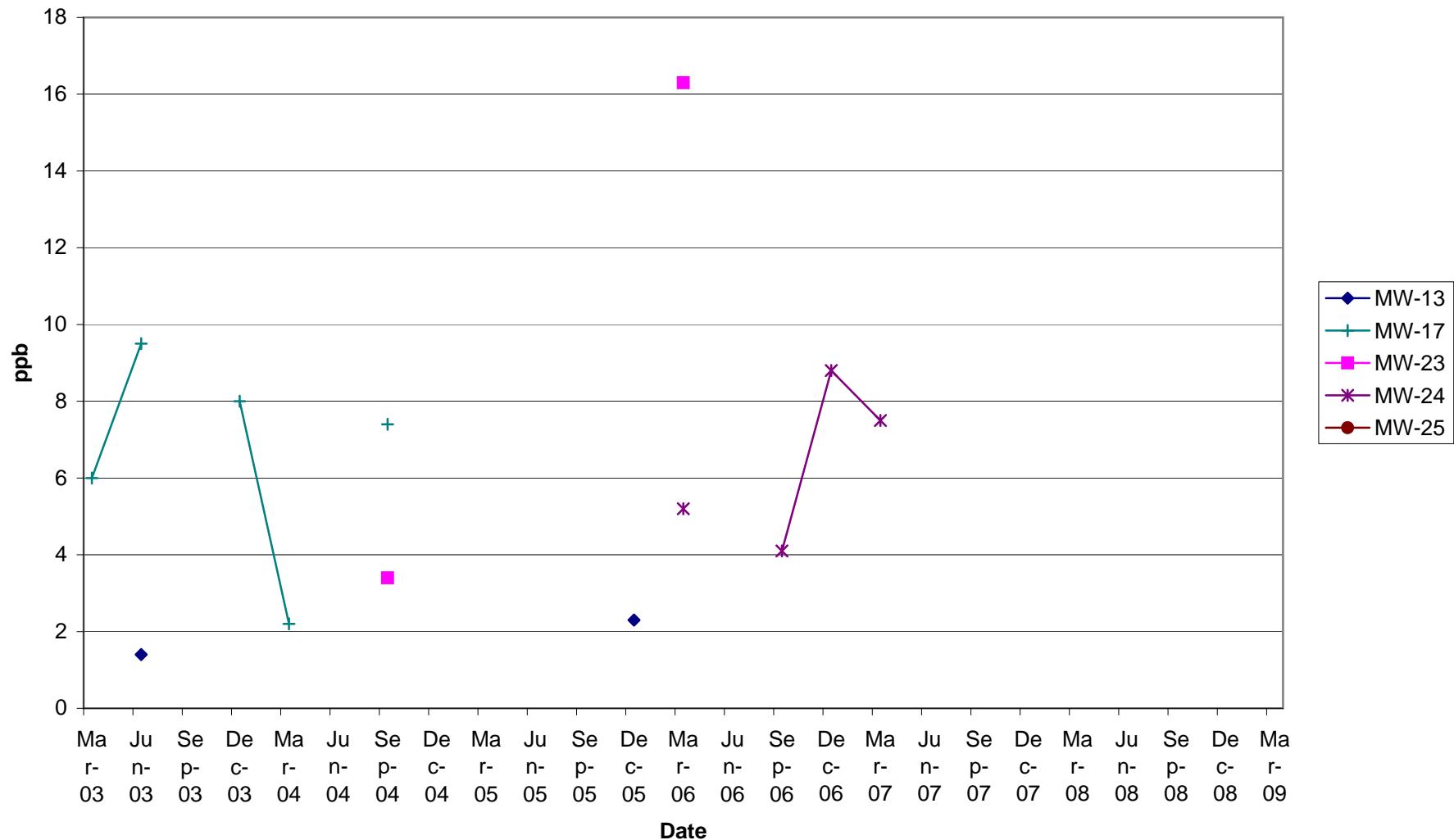
## Dissolved TCE in A1 Wells



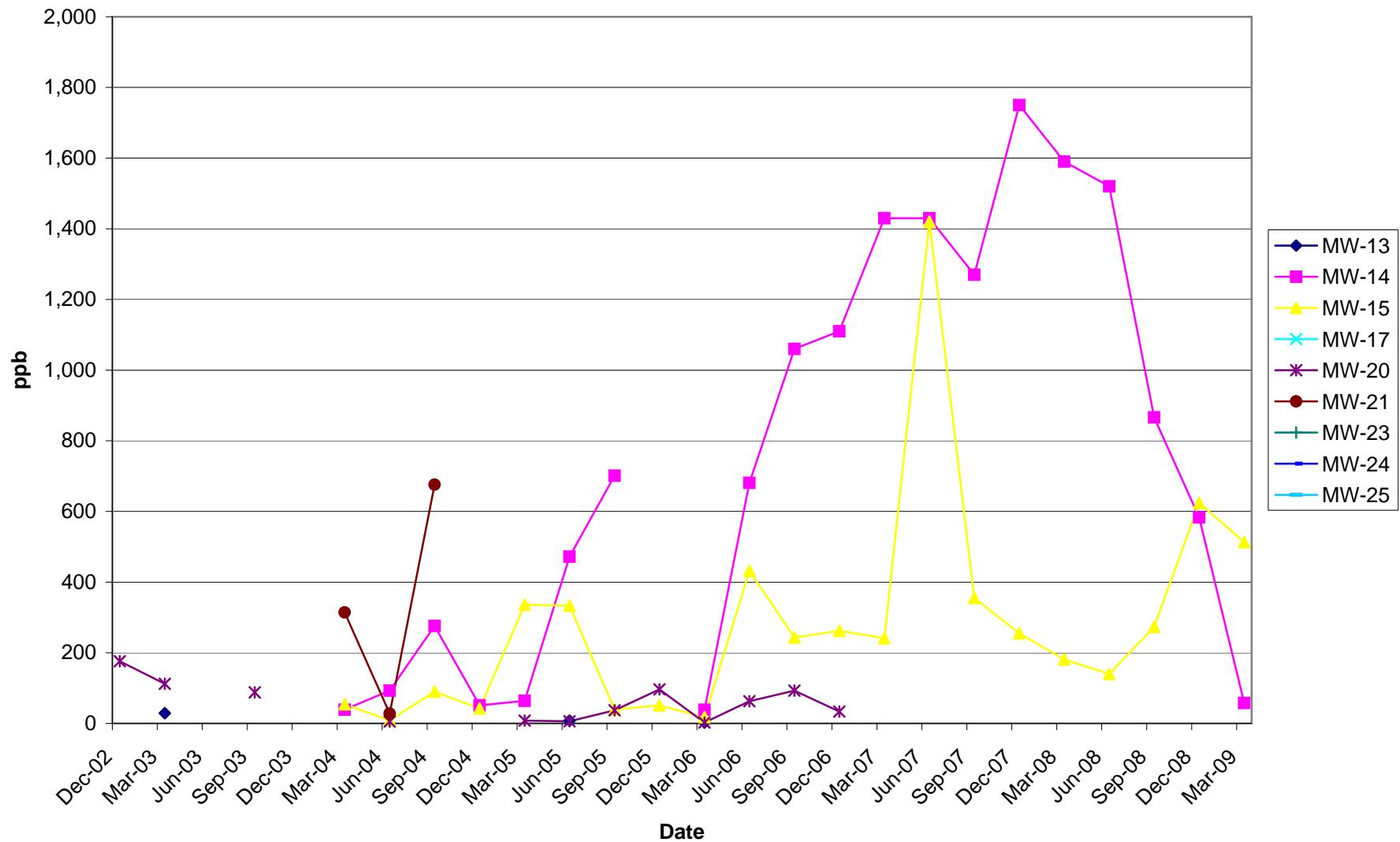
### Dissolved 1,1,1-TCA in A1 Wells



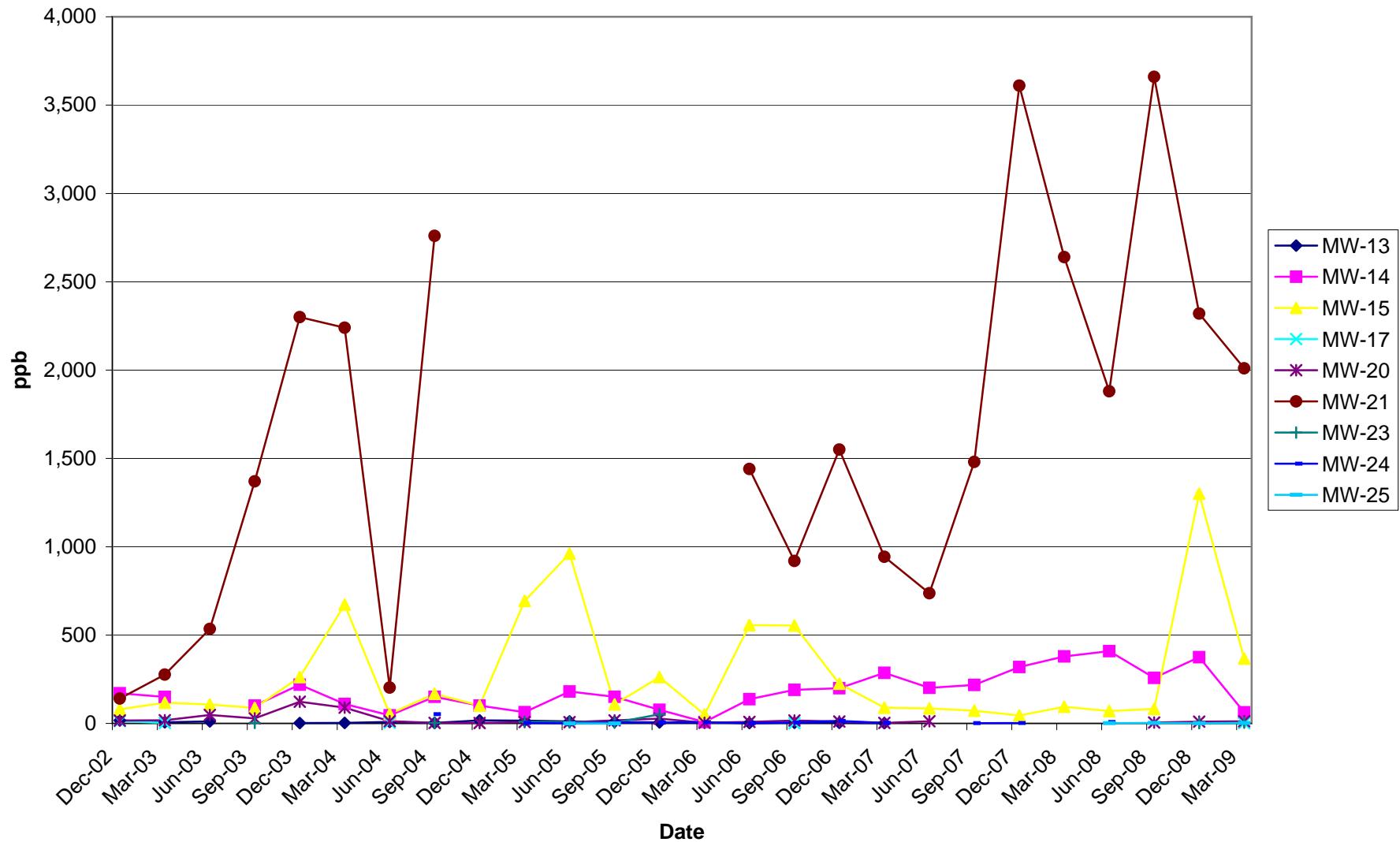
**Dissolved 1,1,1-TCA in A1 Wells**  
**(excluding MW-14, MW-20 and MW-21 for smaller scale)**



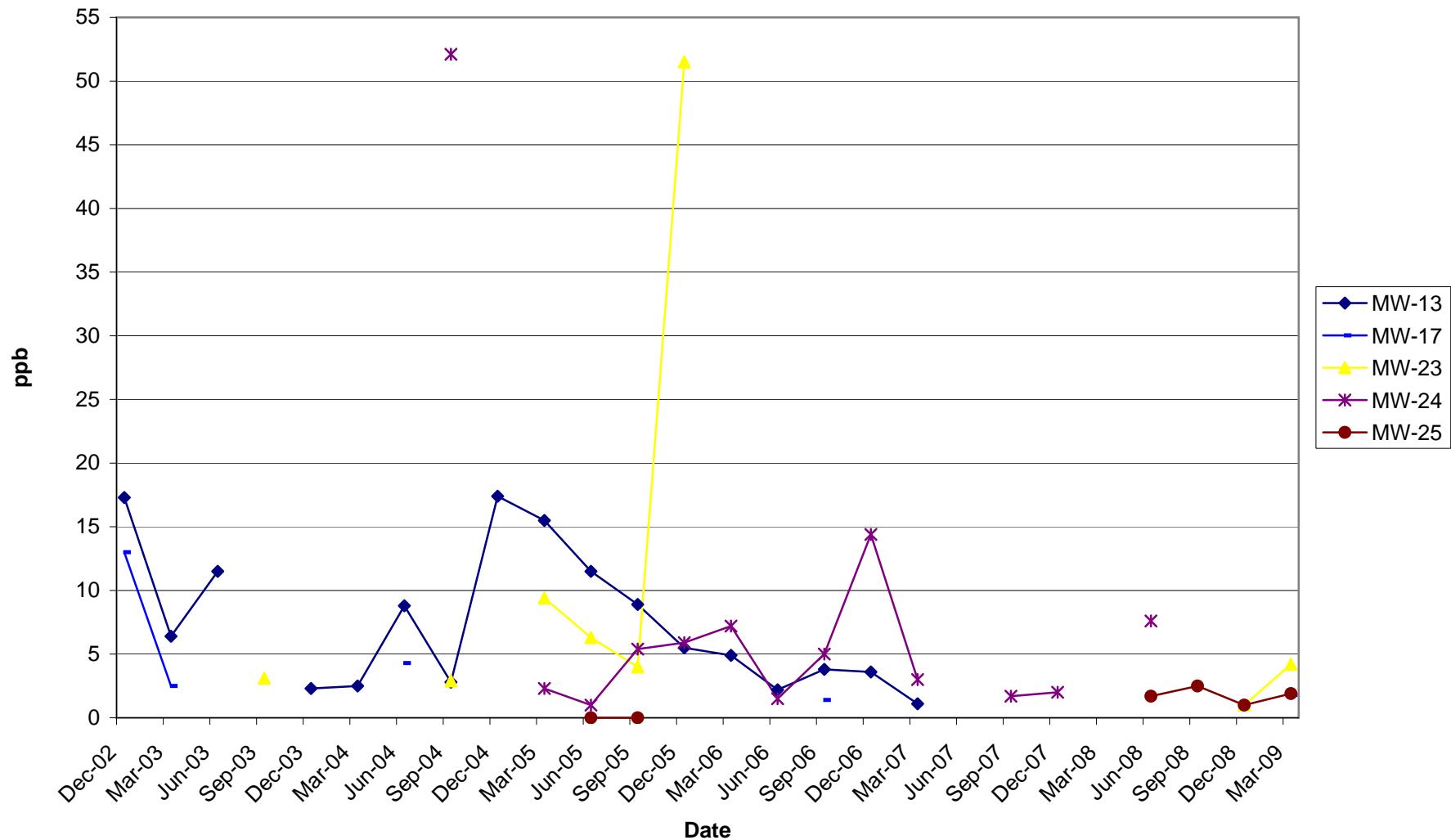
### Dissolved 1,4-Dioxane in A1 Wells



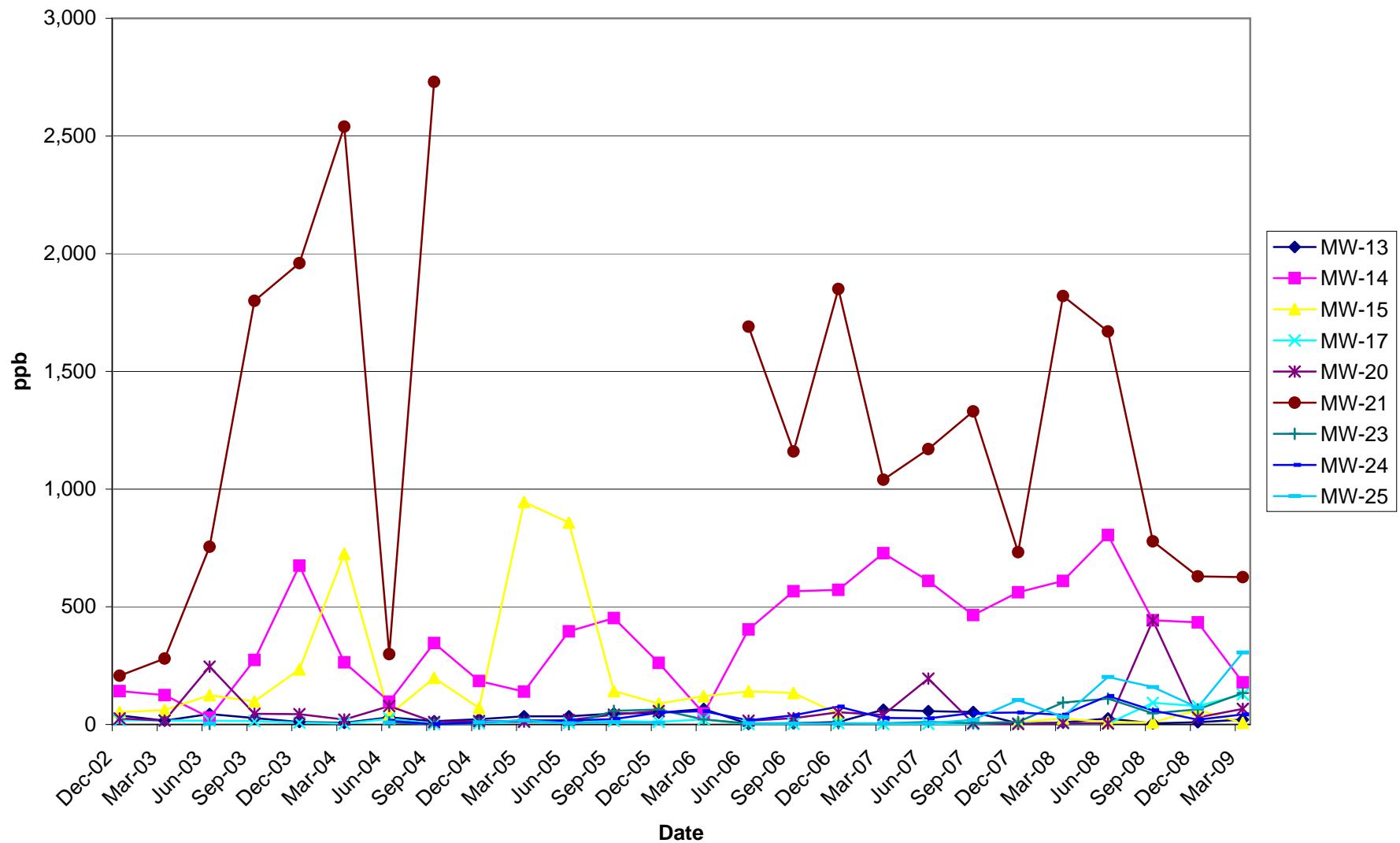
### Dissolved 1,1-DCA in A1 Wells



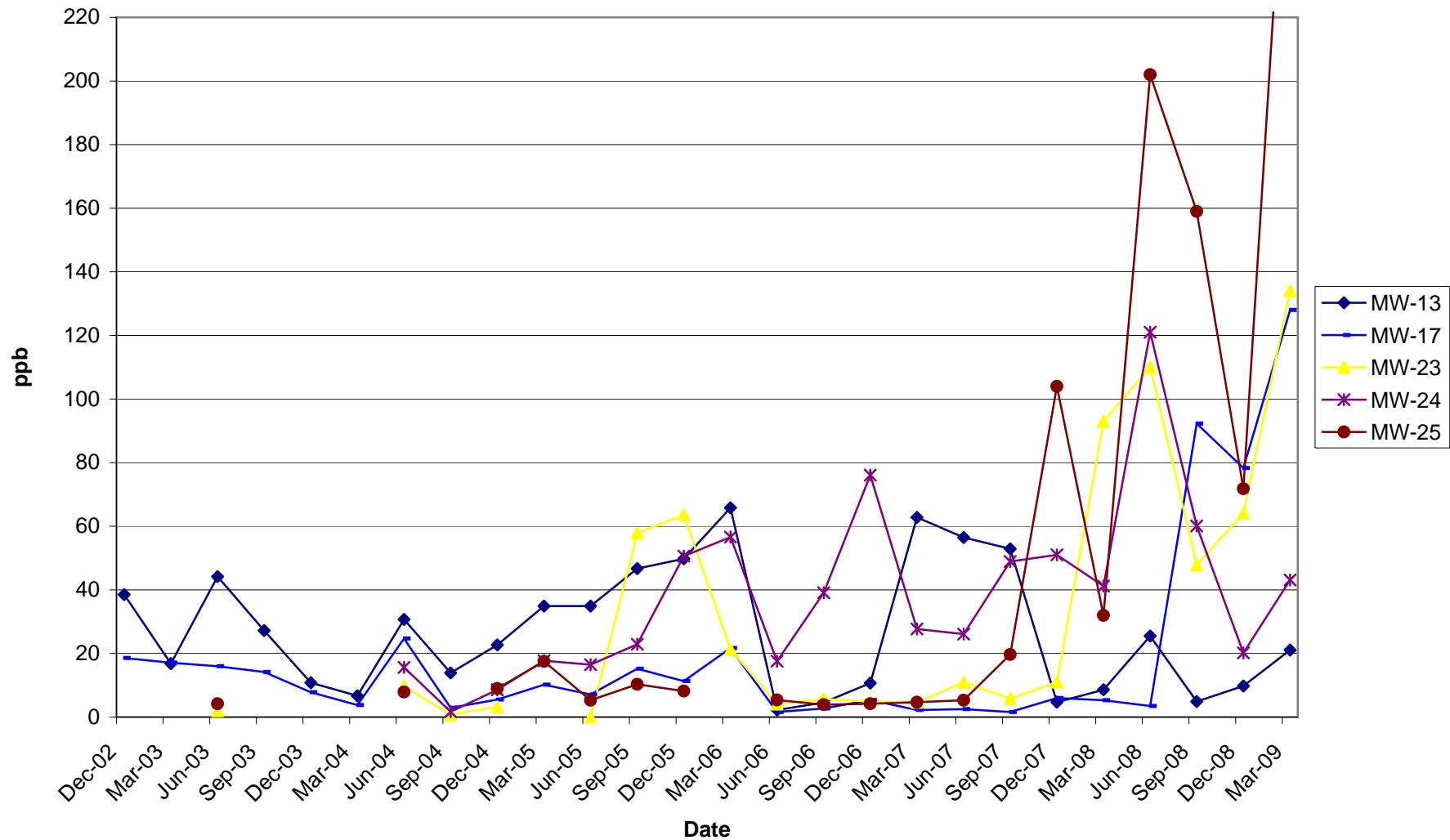
**Dissolved 1,1-DCA in A1 Wells**  
**(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)**



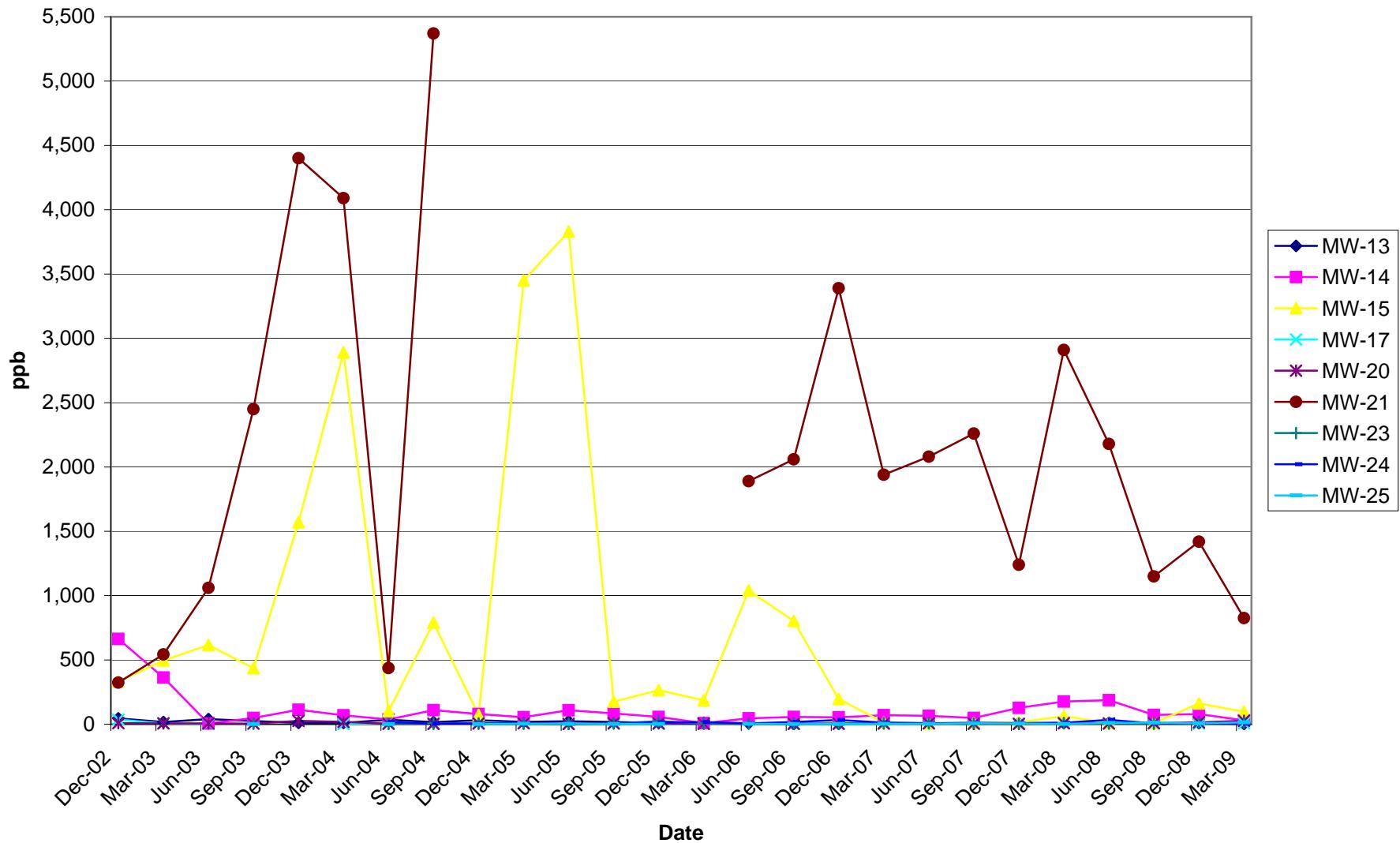
### Dissolved 1,1-DCE in A1 Wells



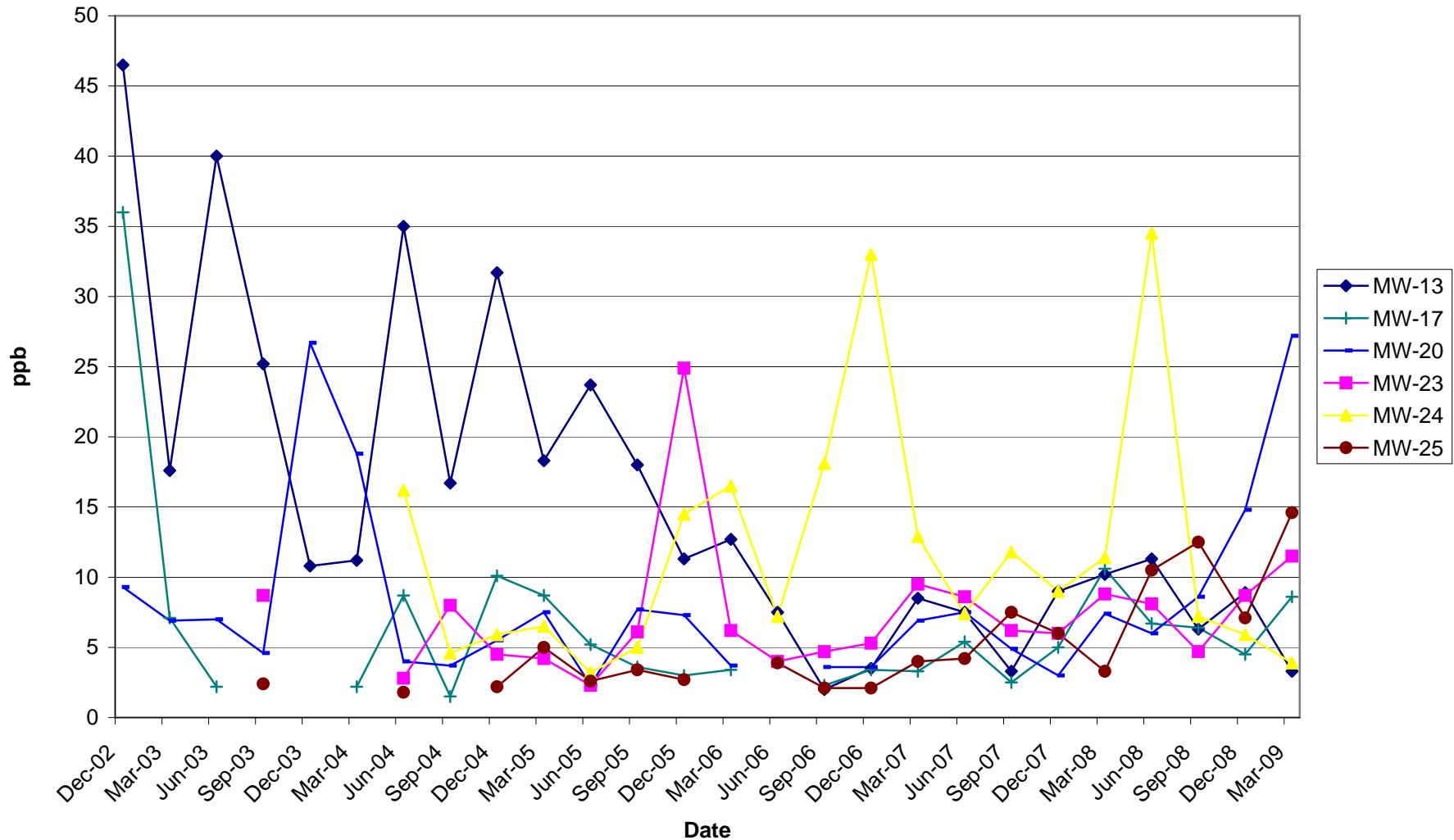
**Dissolved 1,1-DCE in A1 Wells**  
**(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)**



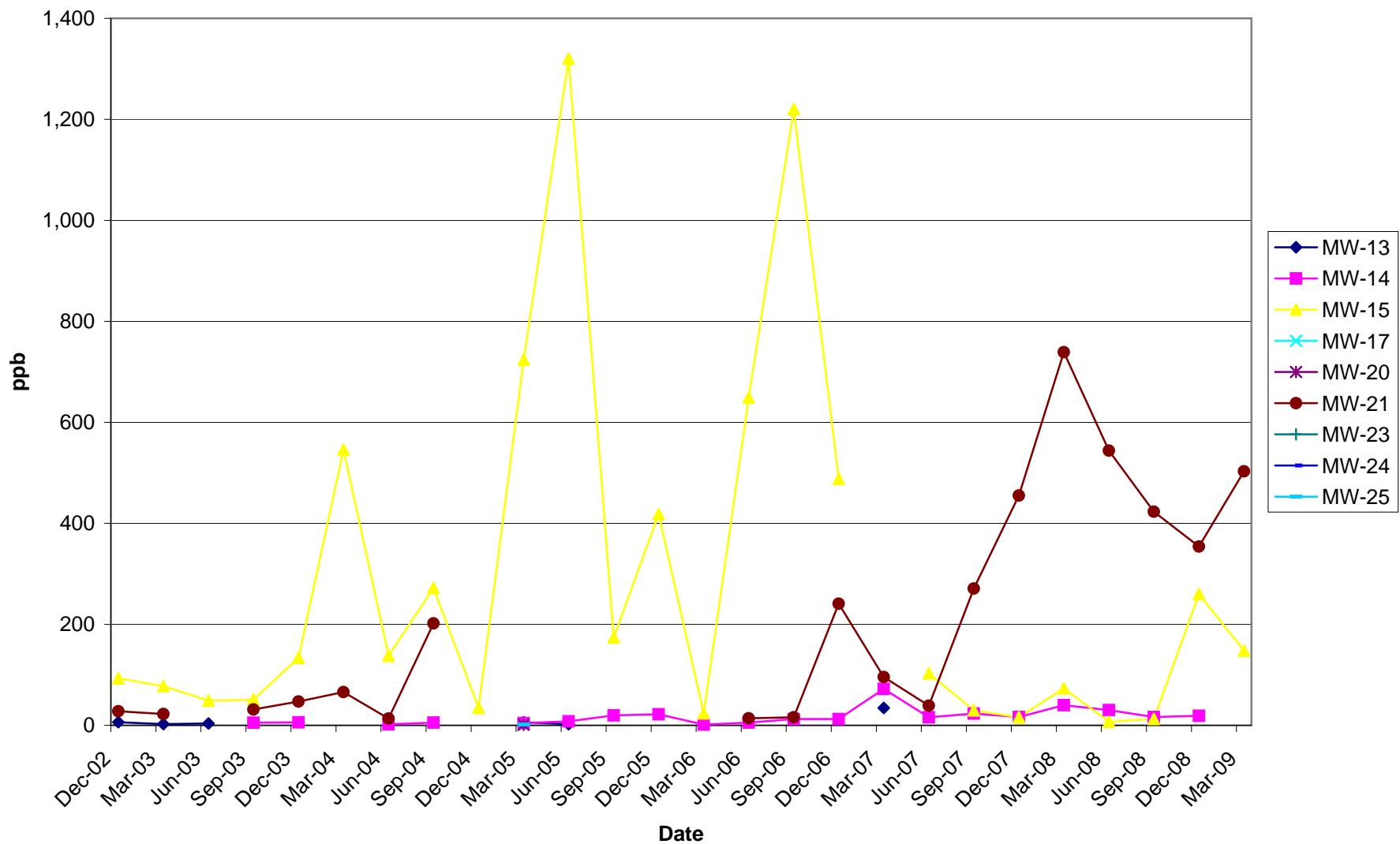
### Dissolved Cis-1,2-DCE in A1 Wells



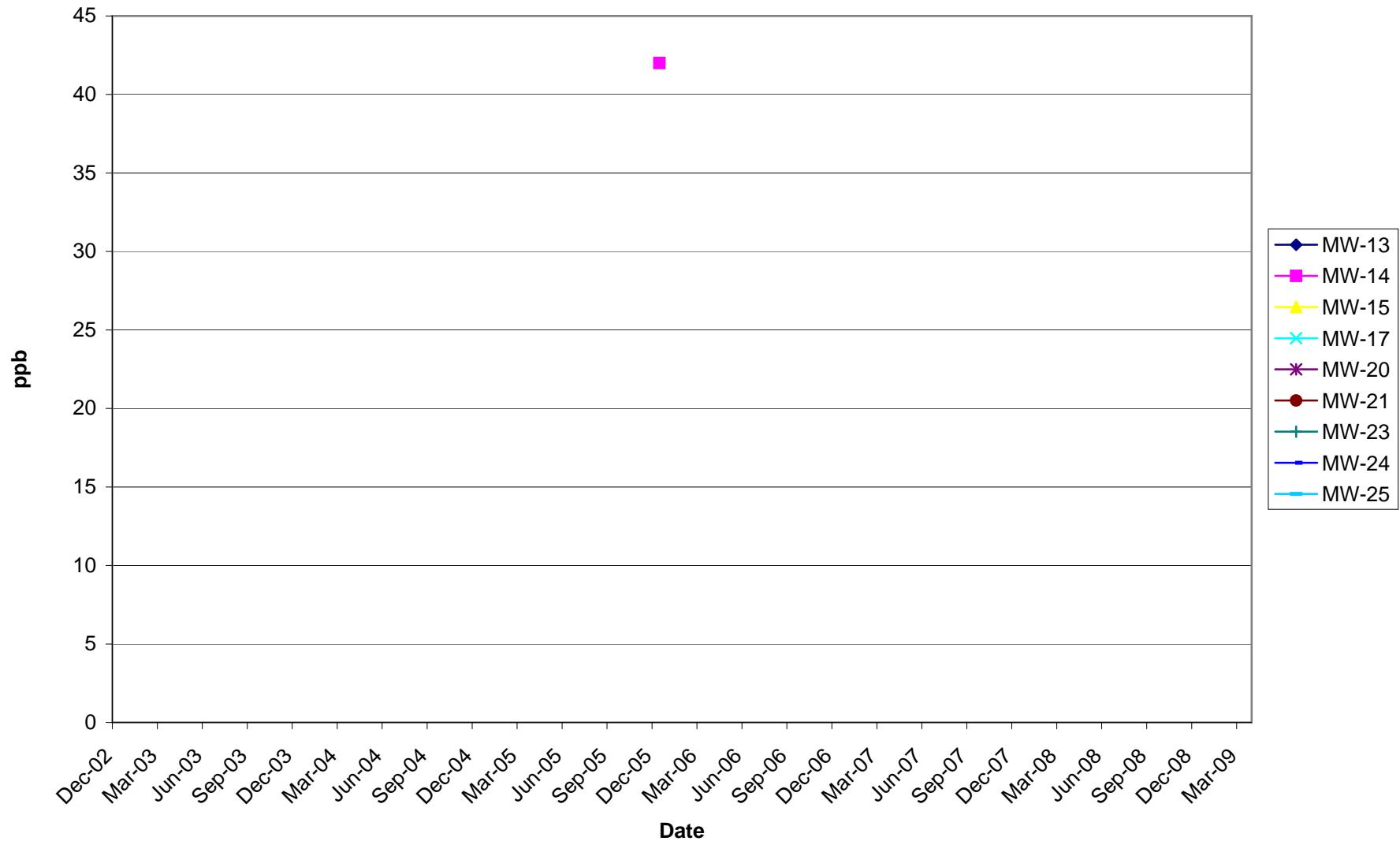
**Dissolved Cis-1,2-DCE in A1 Wells**  
**(excluding MW-14, MW-15 and MW-21 for smaller scale)**



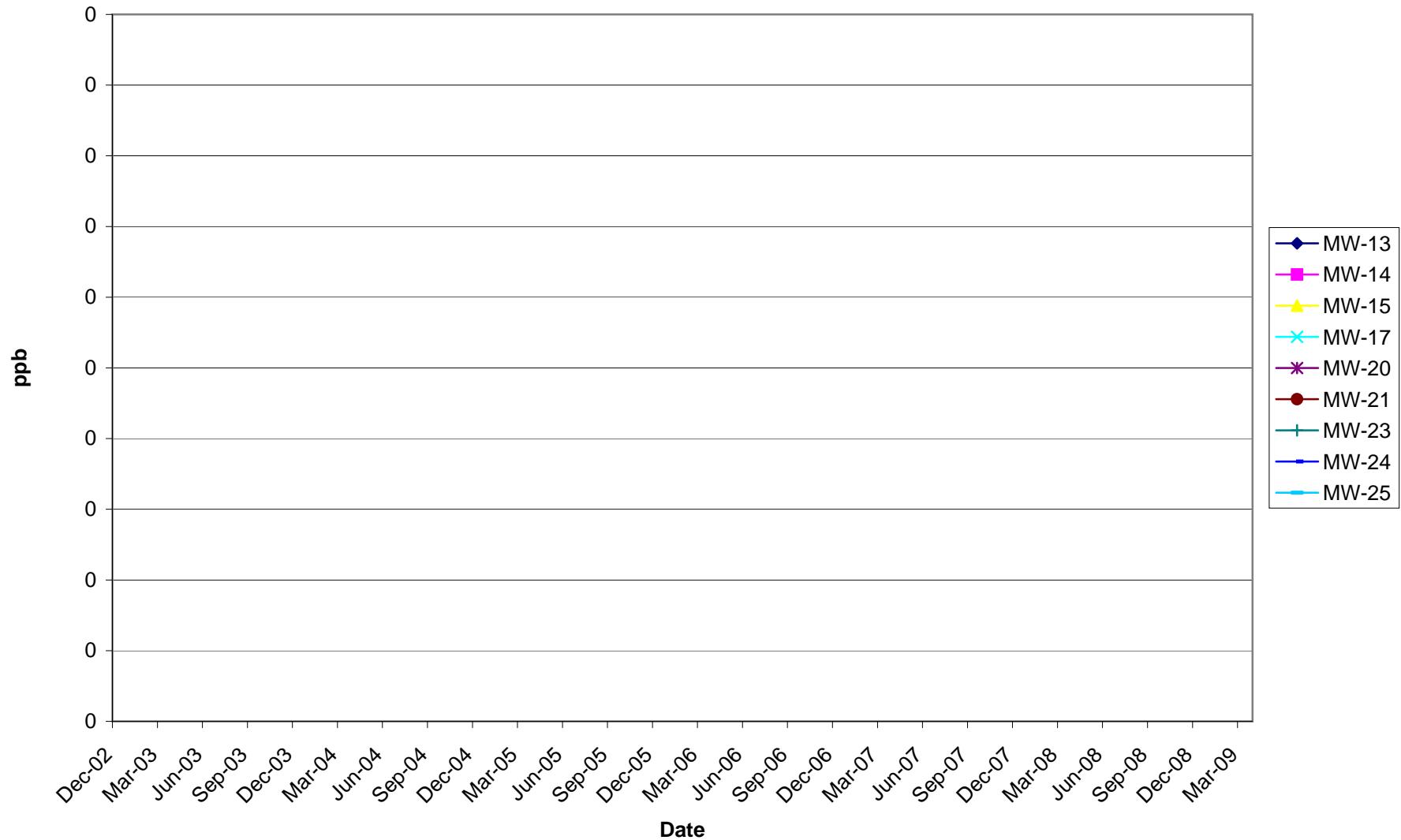
### Dissolved Vinyl Chloride in A1 Wells



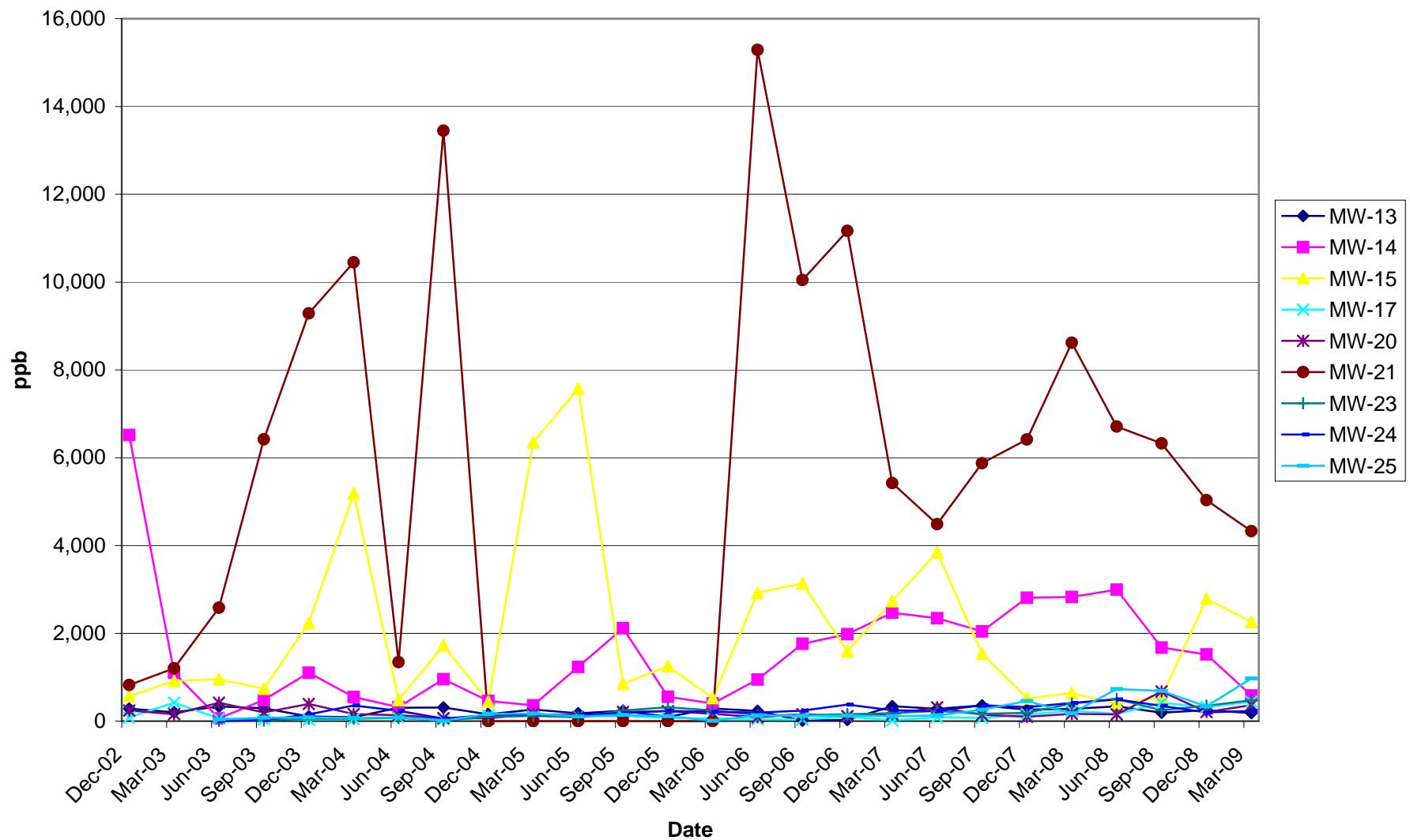
### Dissolved Acetone in A1 Wells



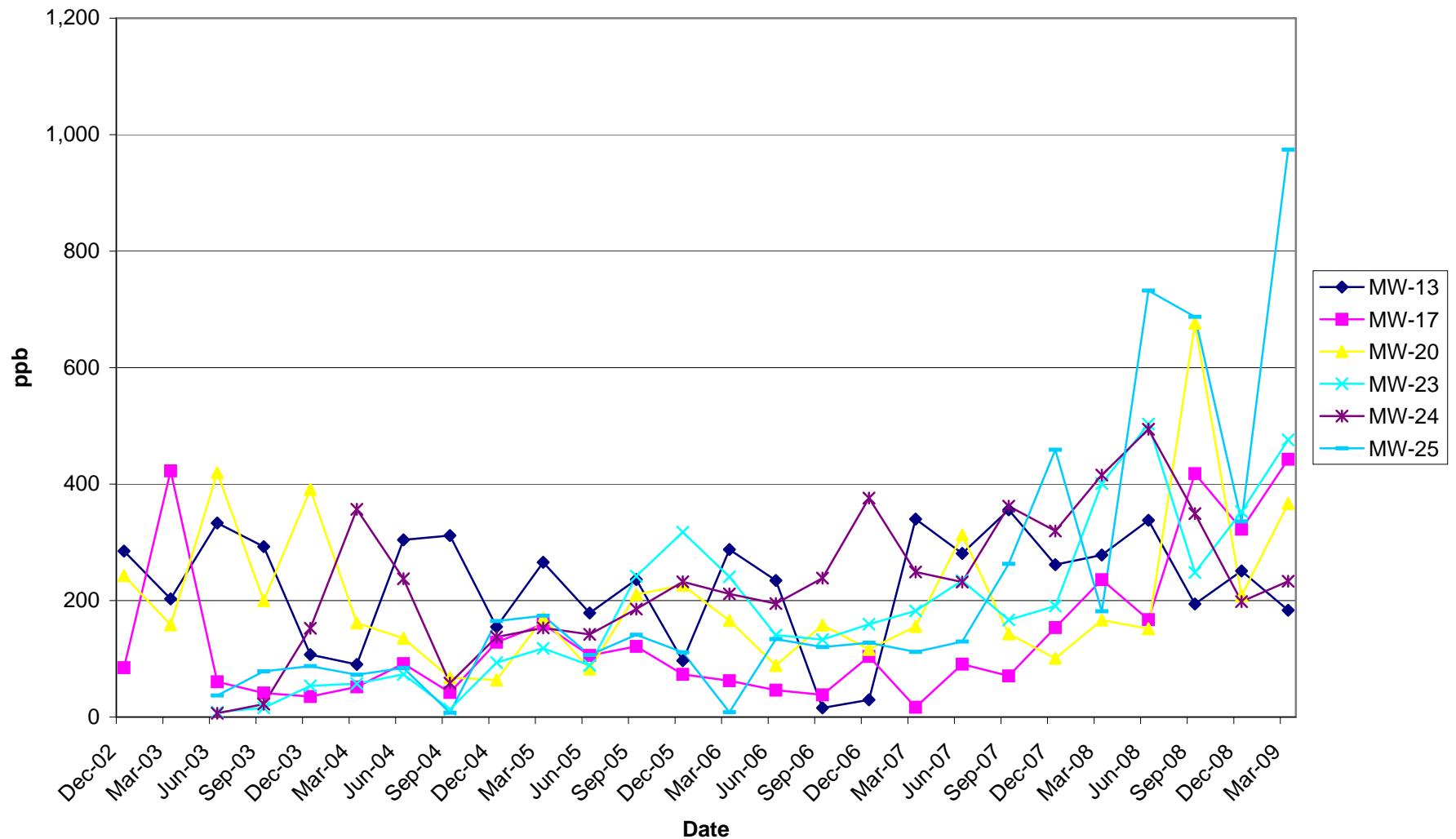
### Dissolved MEK in A1 Wells



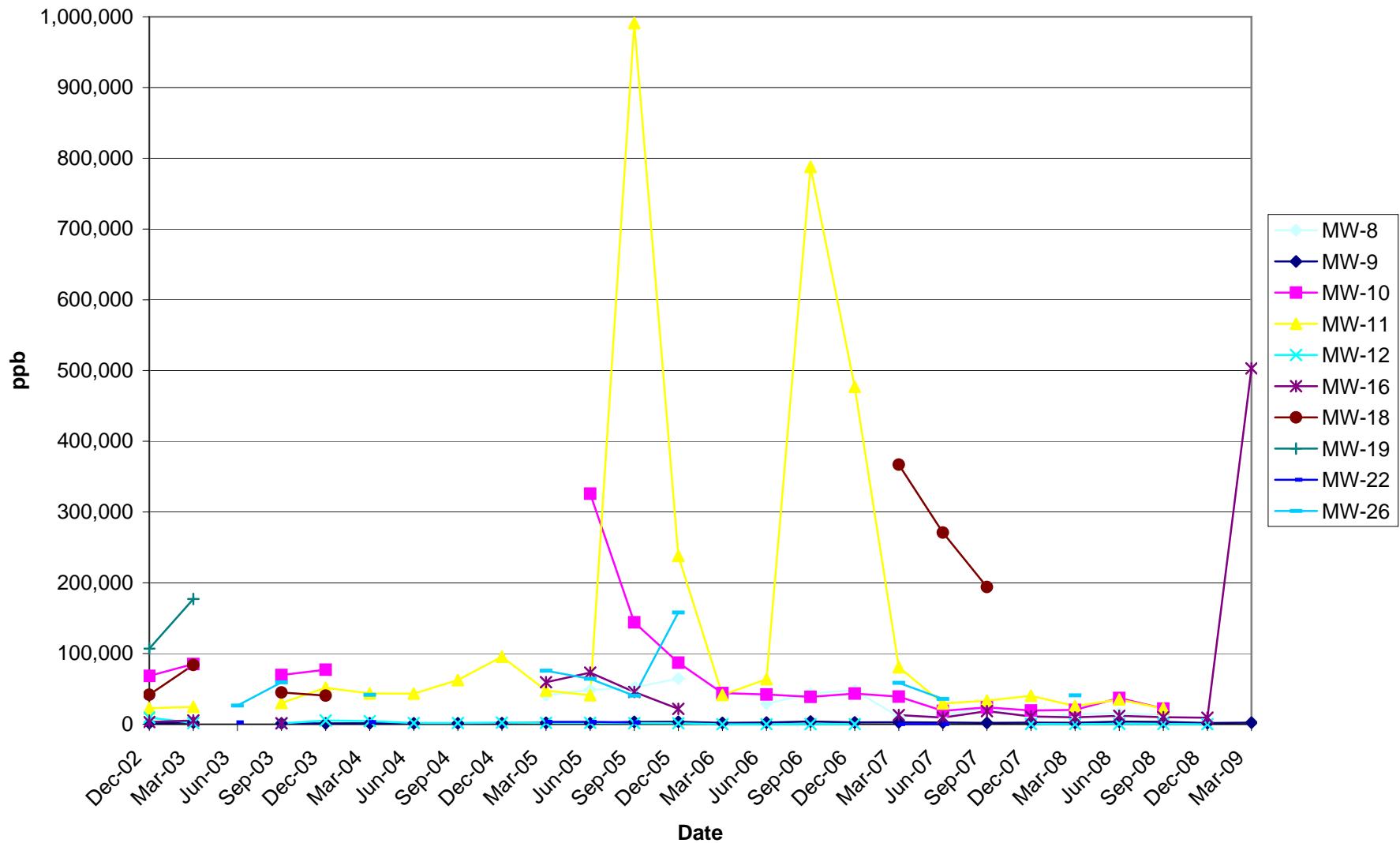
### Total Dissolved VOCs in A1 Wells



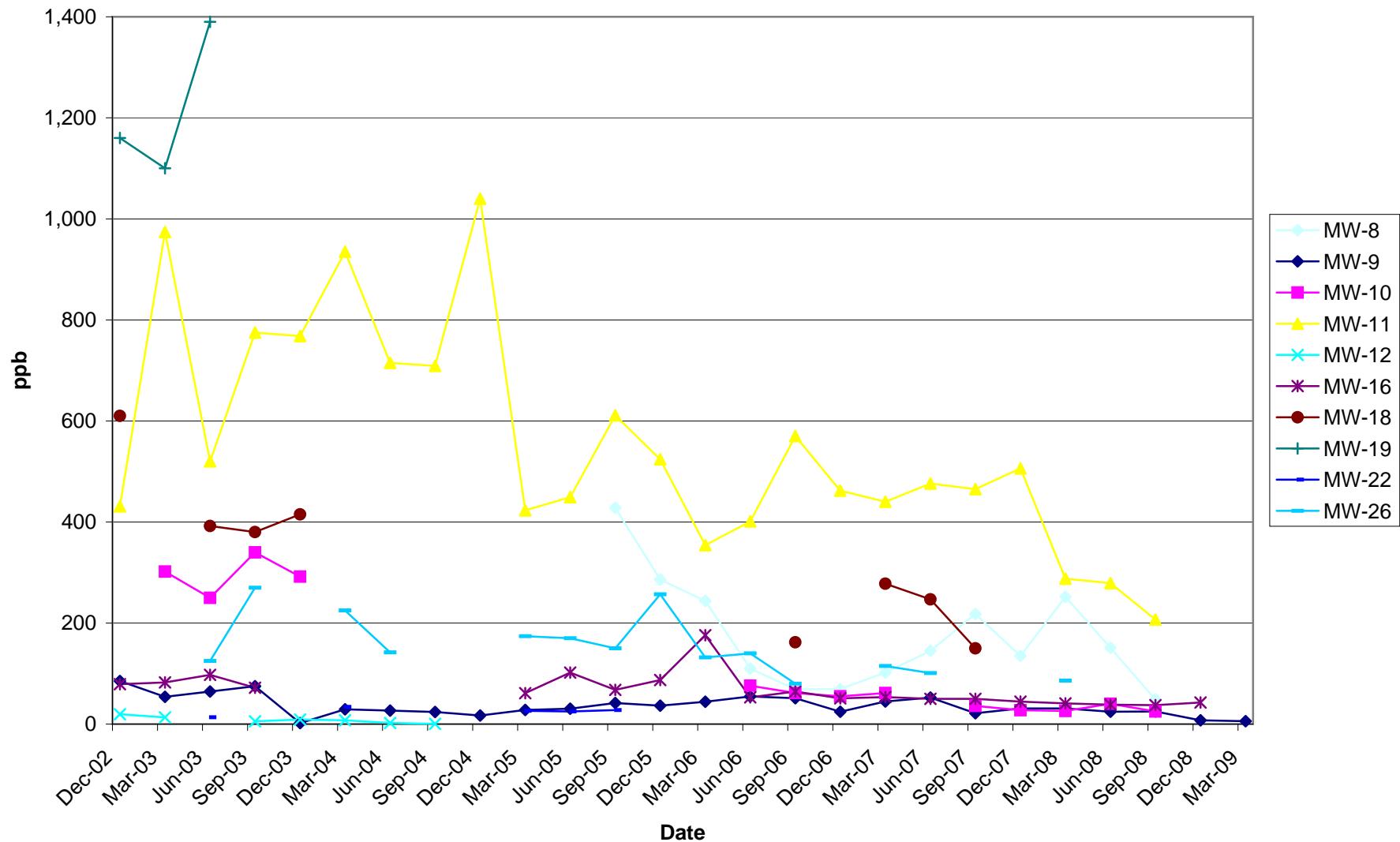
**Total Dissolved VOCs in A1 Wells**  
**(excluding MW-14, MW-15 and MW-21 for smaller scale)**



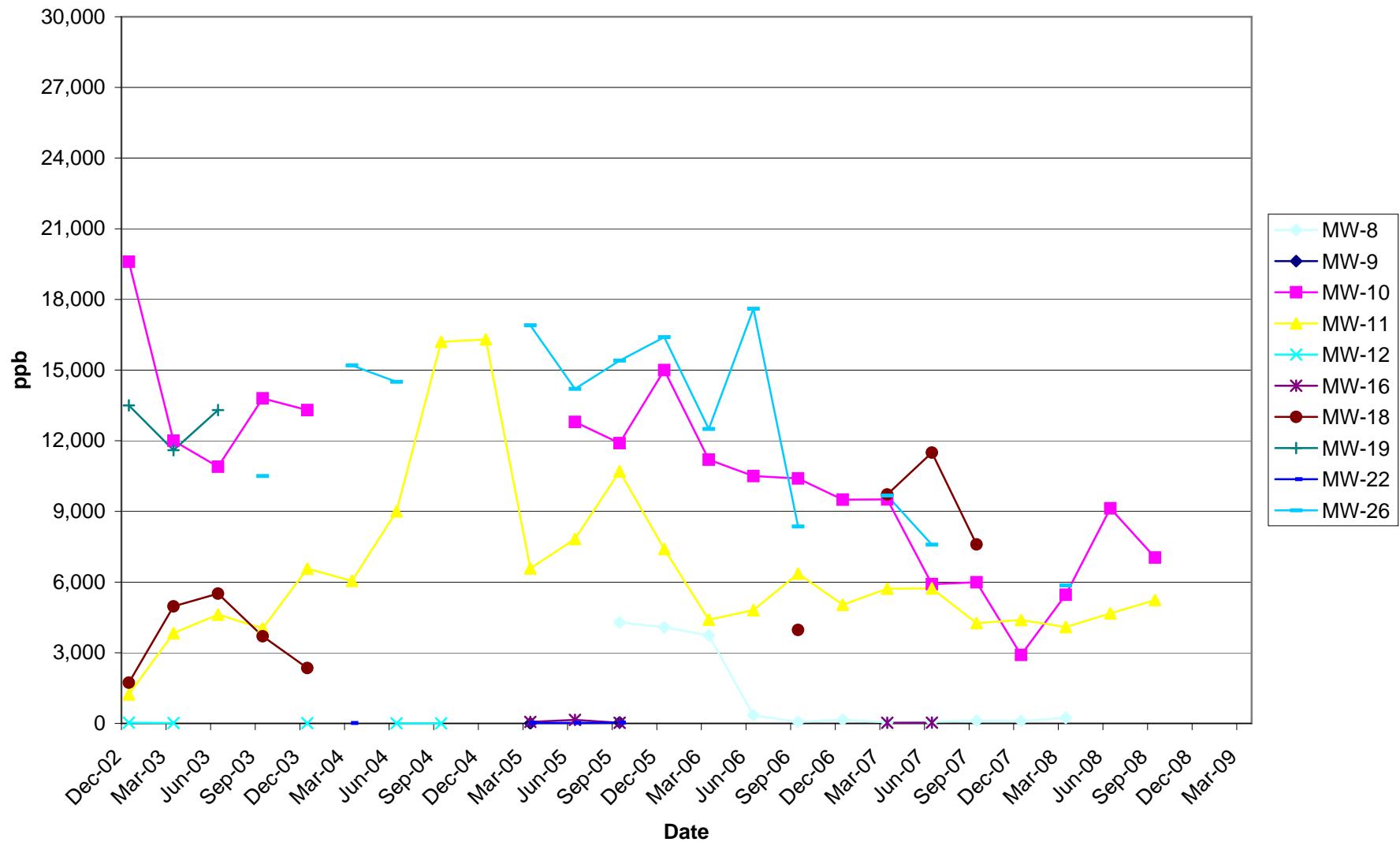
### Dissolved TPH-gas in 1st Water Wells



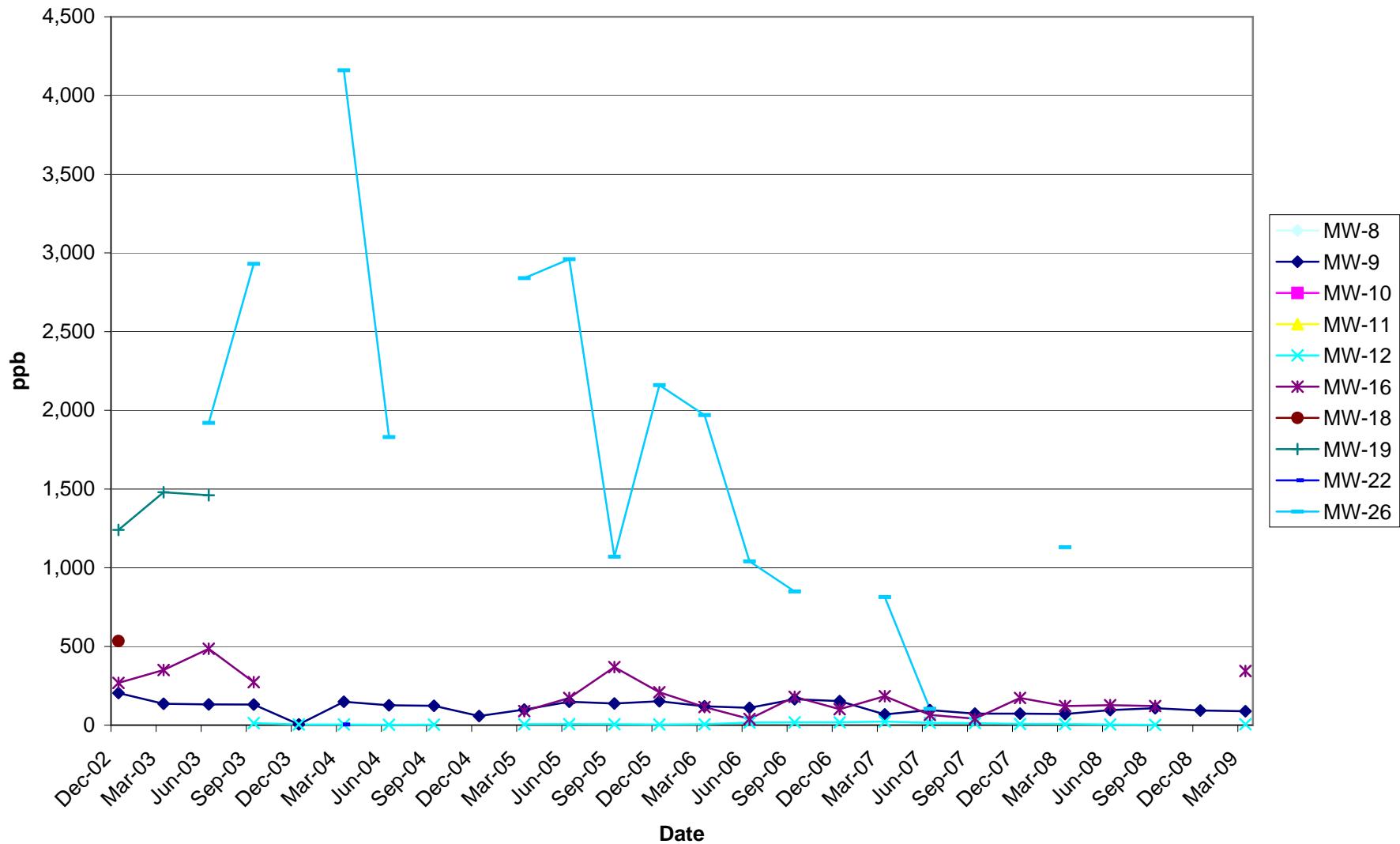
## Dissolved Benzene in 1st Water Wells



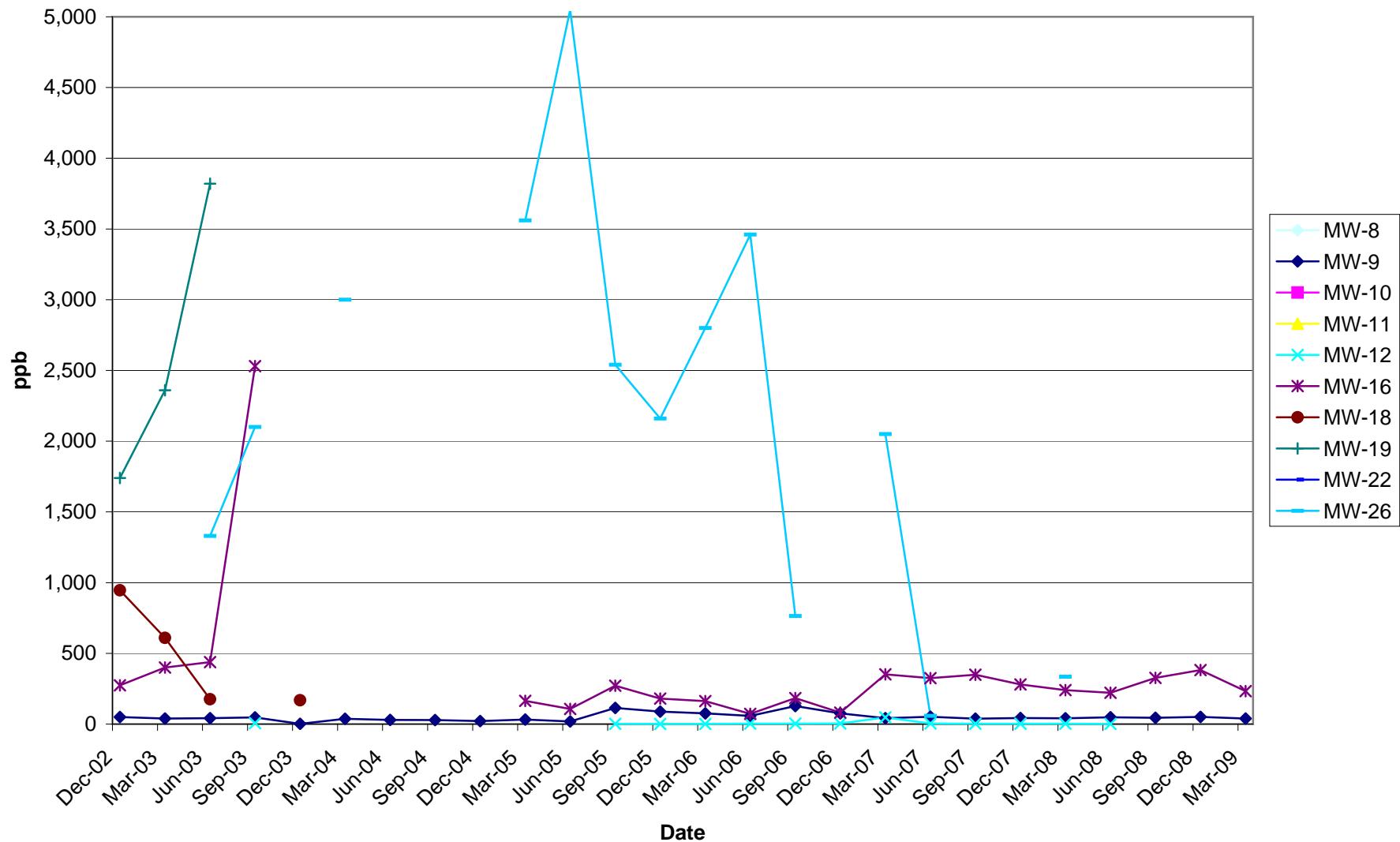
## Dissolved Toluene in 1st Water Wells



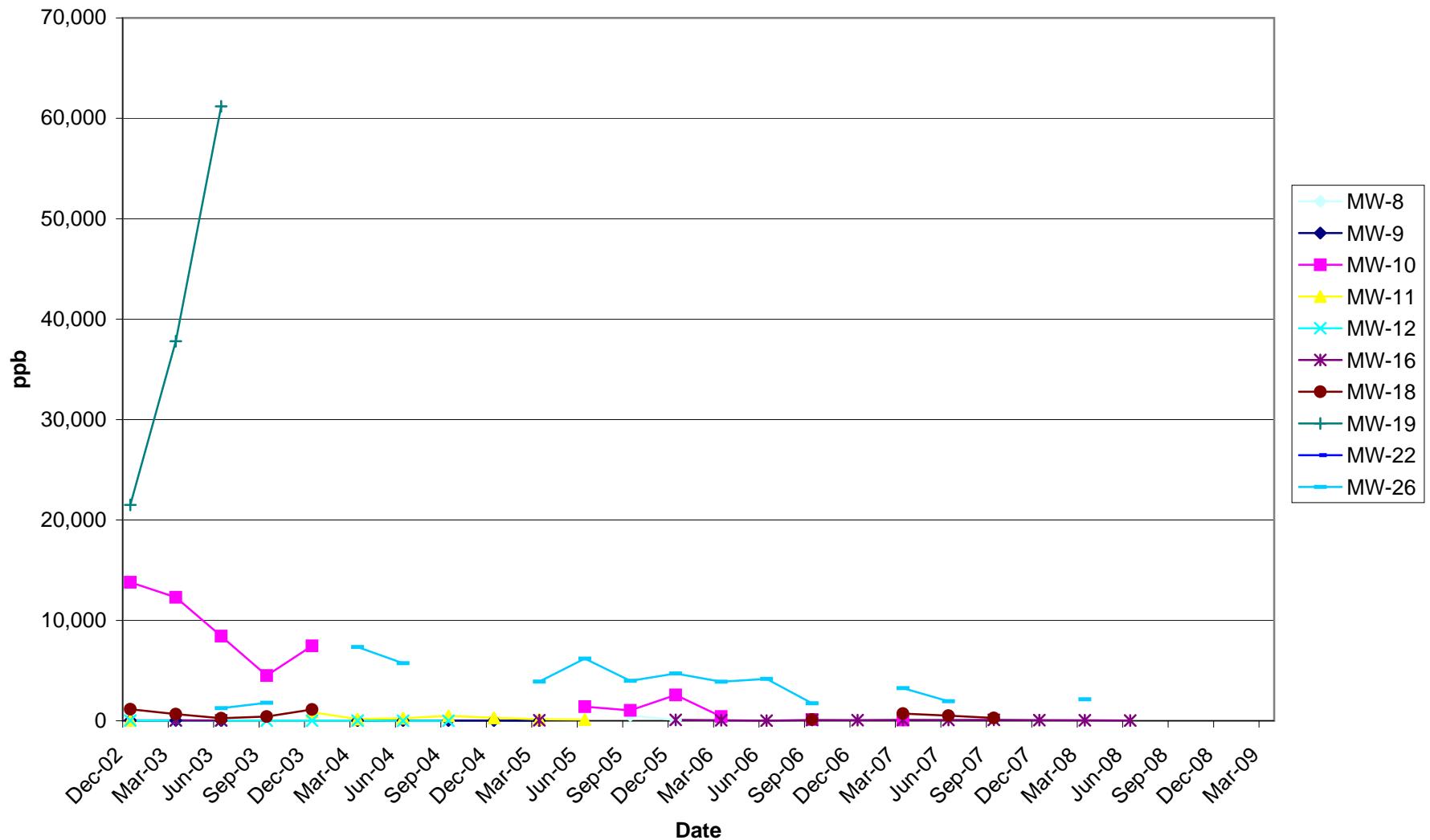
### Dissolved PCE in 1st Water Wells



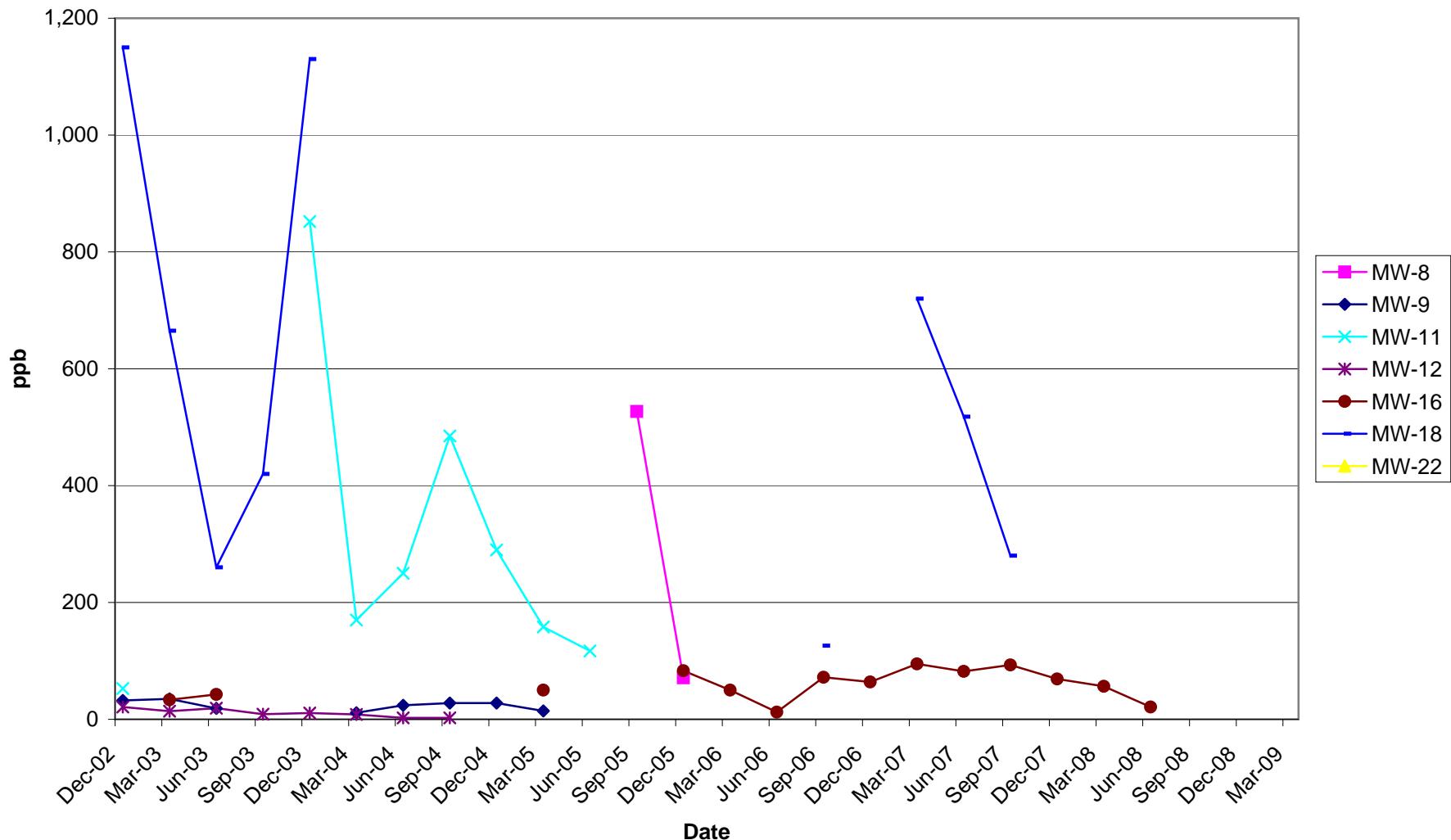
## Dissolved TCE in 1st Water Wells



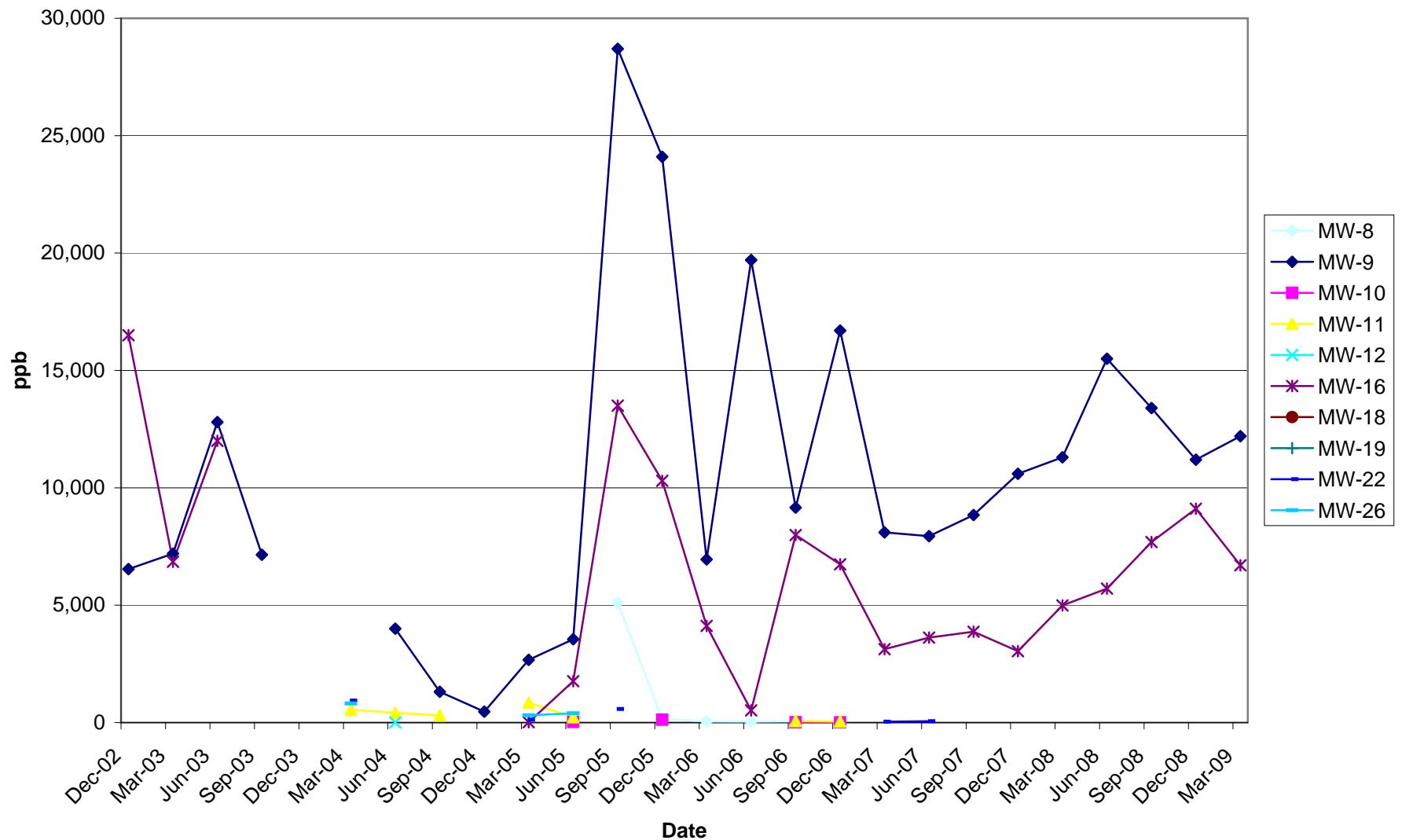
## Dissolved 1,1,1-TCA in 1st Water Wells



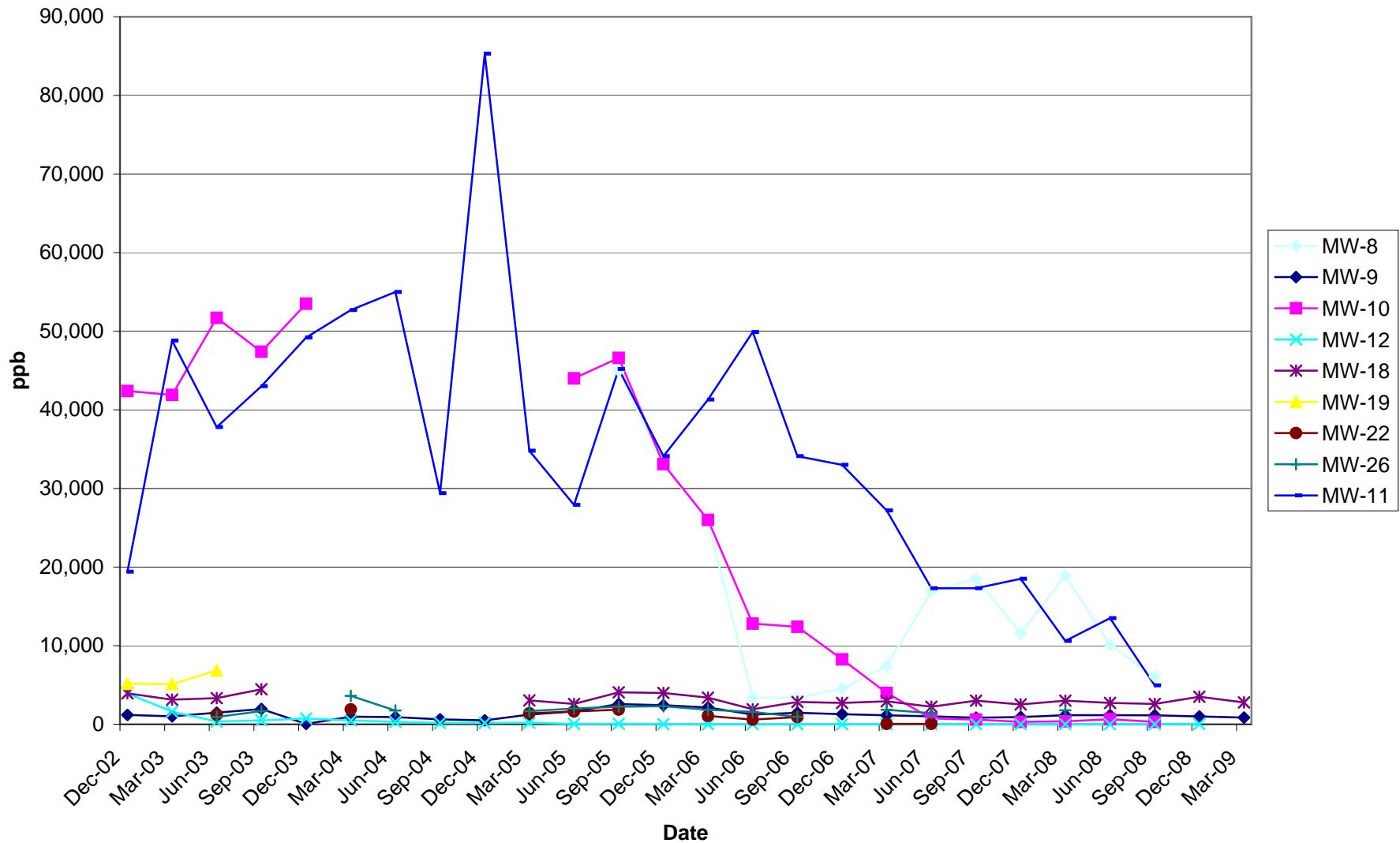
**Dissolved 1,1,1-TCA in 1st Water Wells**  
**(excluding MW-10, MW-19 and MW-26 for smaller scale)**



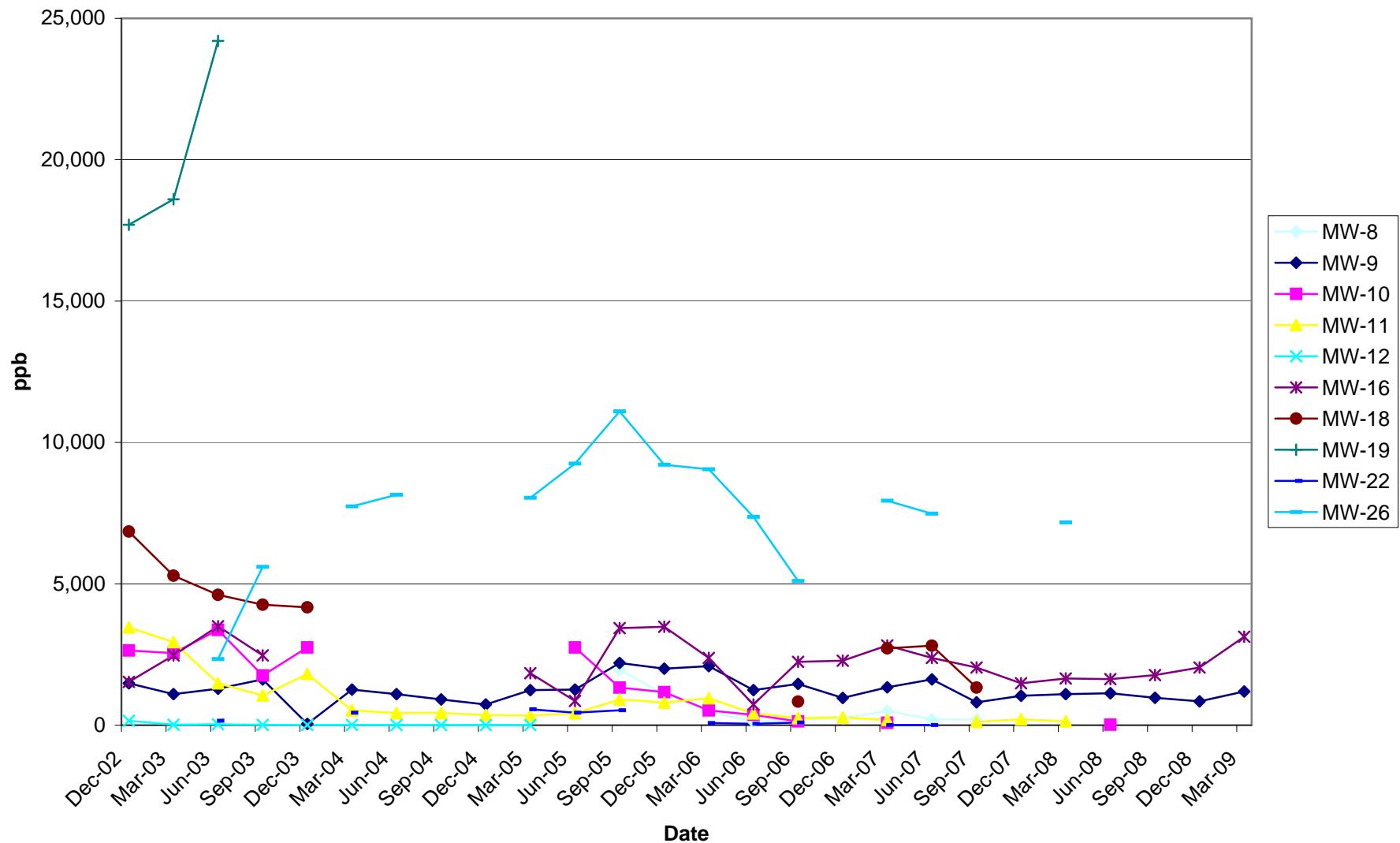
## Dissolved 1,4-Dioxane in 1st Water Wells



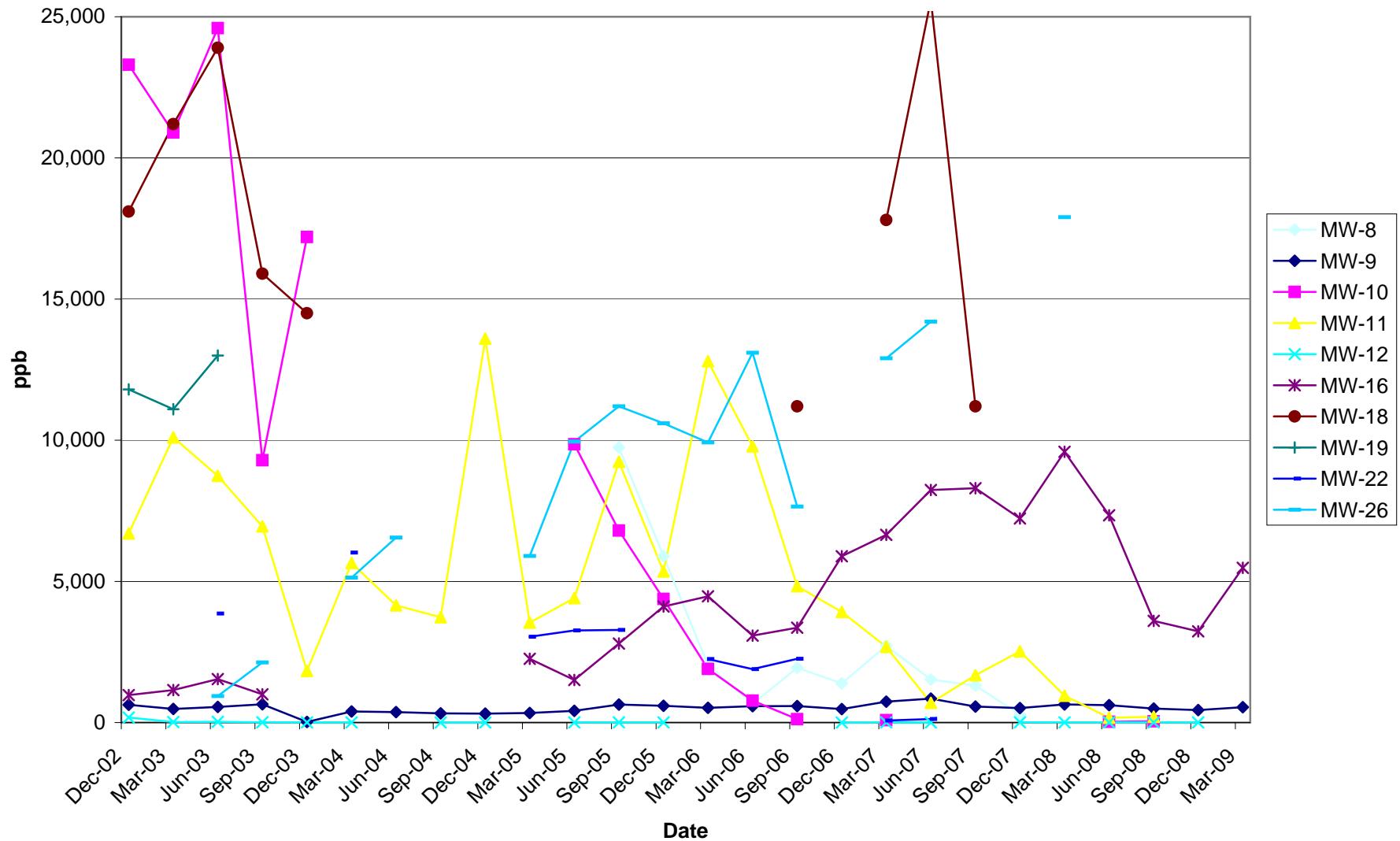
### Dissolved 1,1-DCA in 1st Water Wells



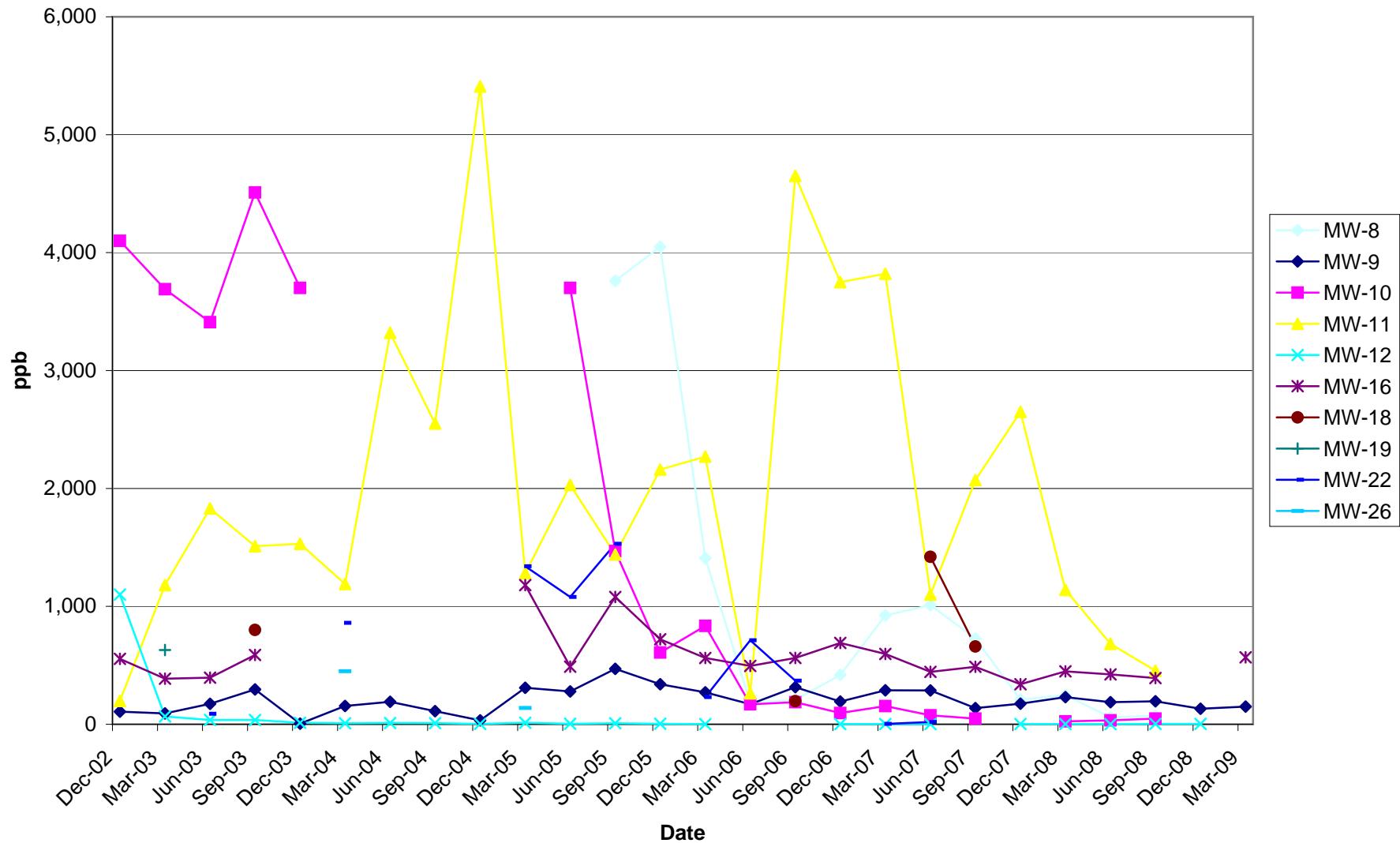
### Dissolved 1,1-DCE in 1st Water Wells



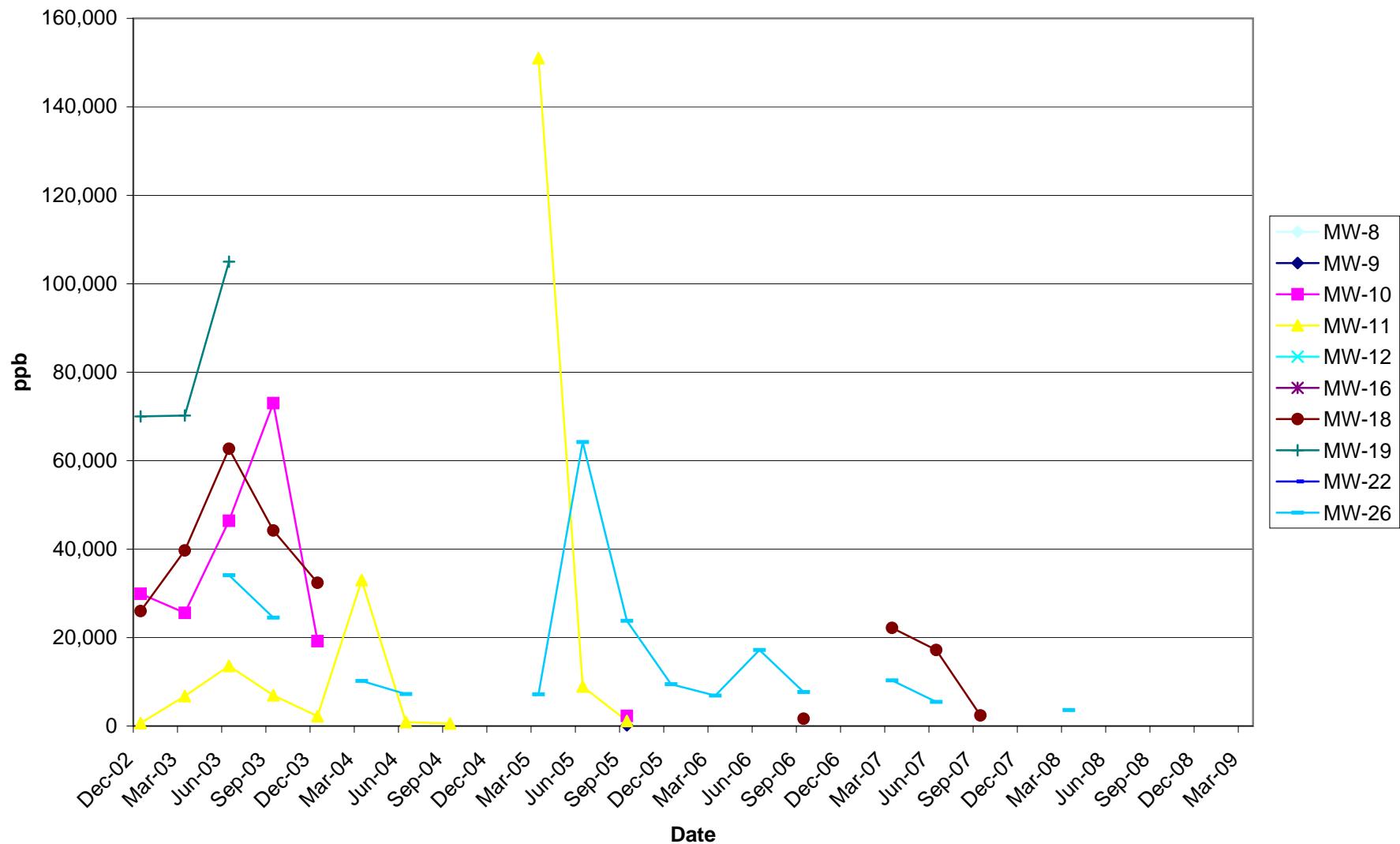
### Dissolved Cis-1,2-DCE in 1st Water Wells



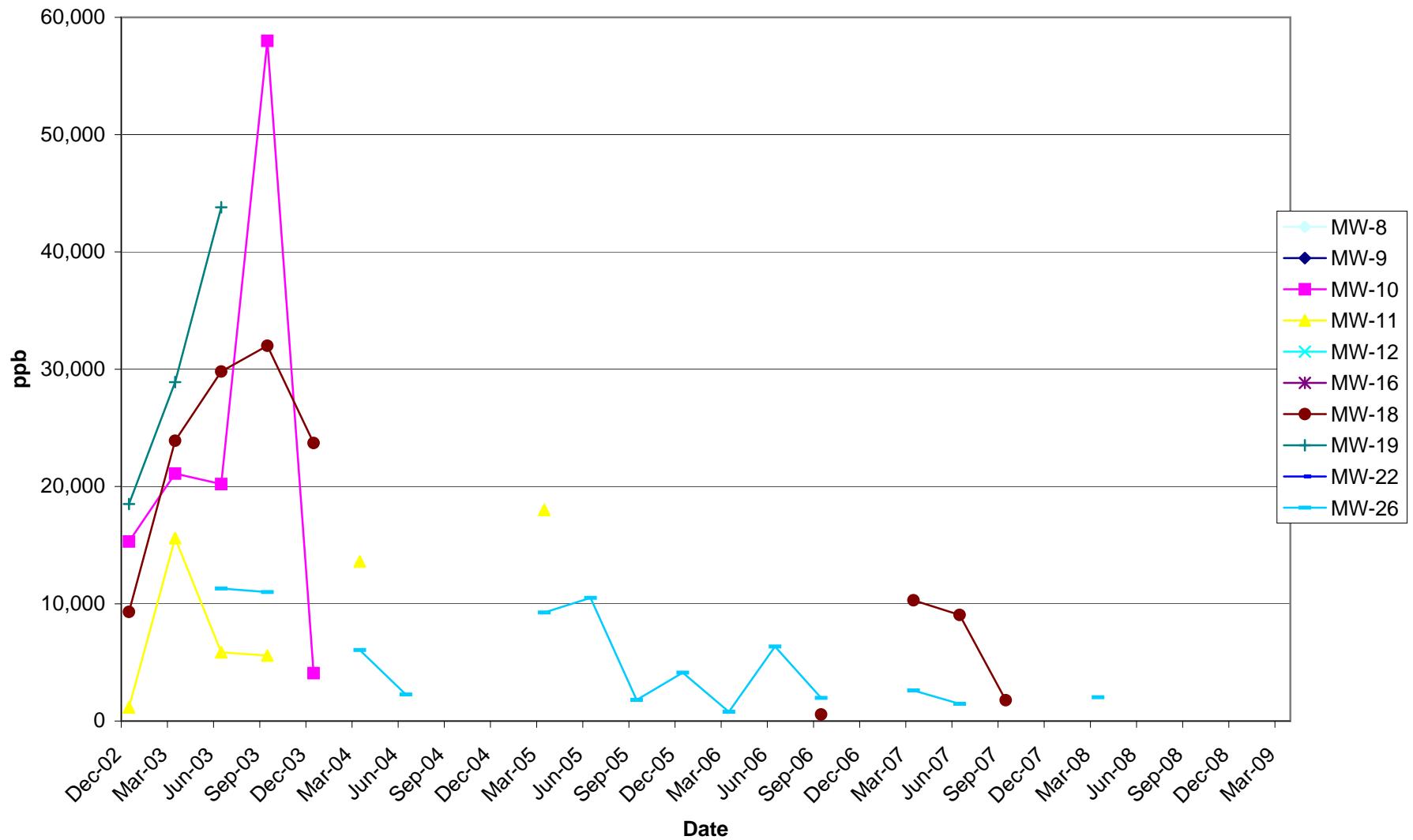
## Dissolved Vinyl Chloride in 1st Water



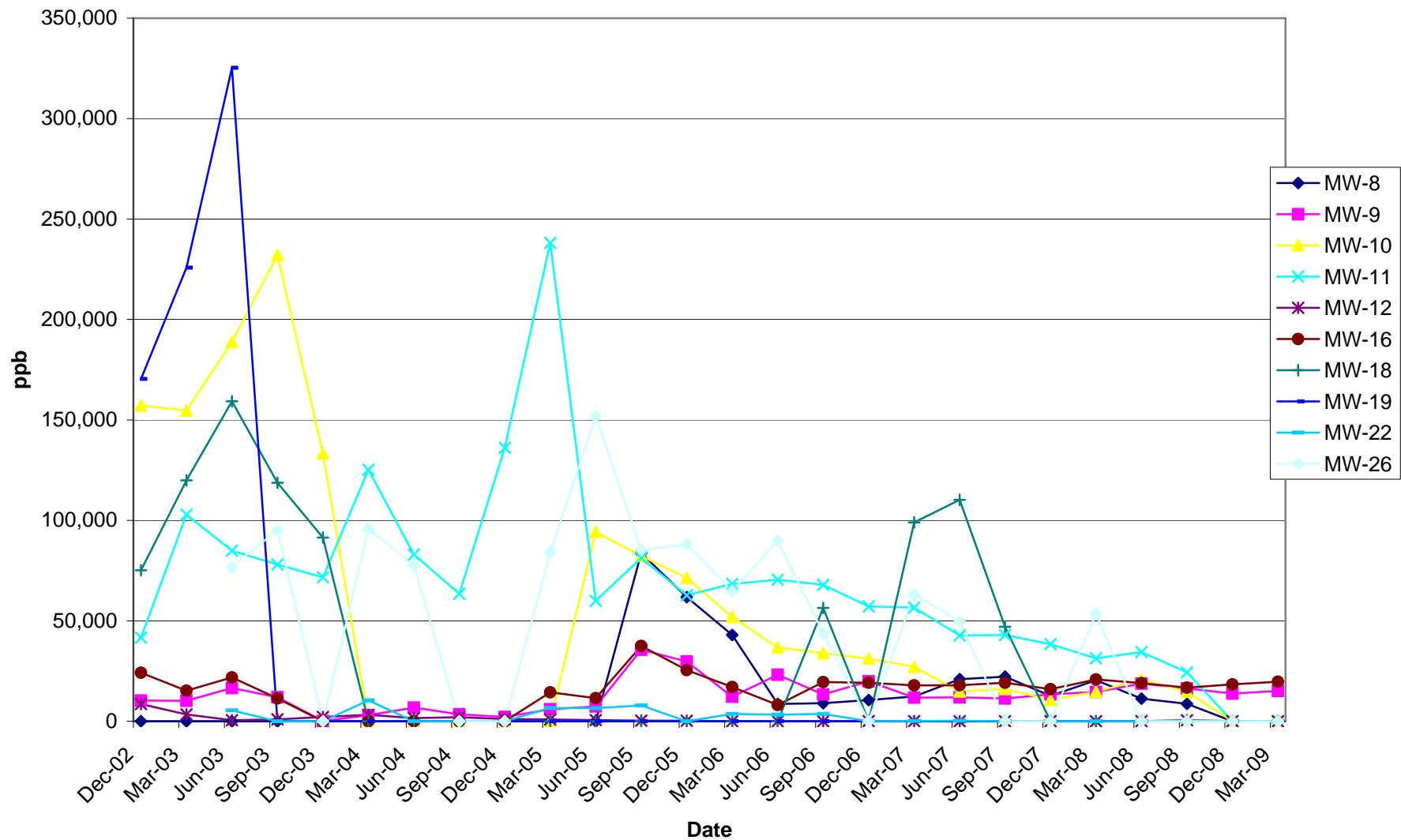
## Dissolved Acetone in 1st Water Wells



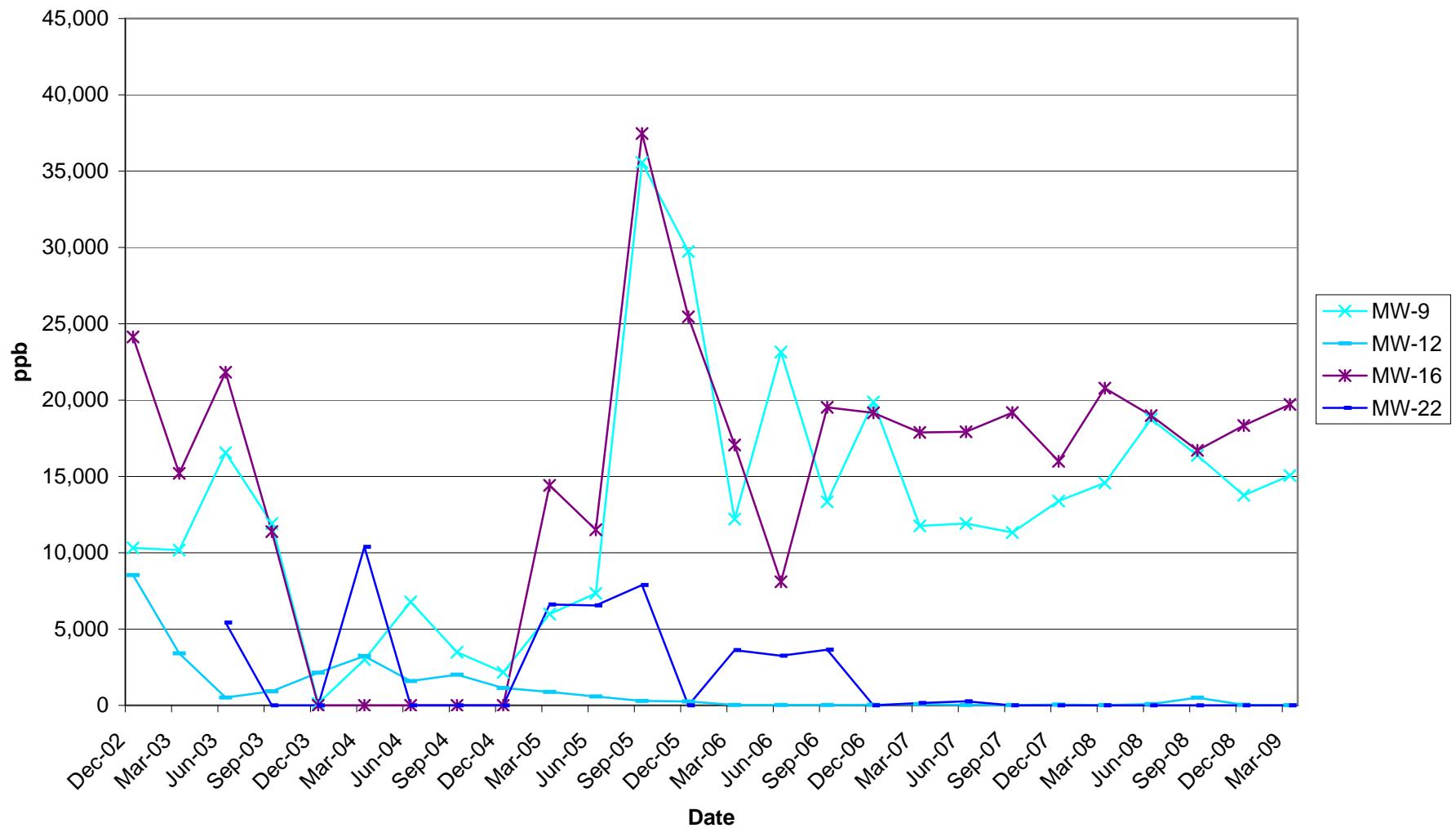
## Dissolved MEK in 1st Water Wells



## Total Dissolved VOCs in 1st Water Wells



**Total Dissolved VOCs in 1st Water Wells**  
**(excluding MW-8, MW-10, MW-11, MW-18, MW-19 and MW-26)**



**APPENDIX C**

**GROUNDWATER LABORATORY**

**ANALYSIS REPORTS**



# Alpha Scientific Corporation

Environmental Laboratories

---

04-03-2009

Mr. Joseph Kennedy  
Greve Financial  
PO Box 1684  
Lomita, CA 90717

Project: Angeles Chemical Co./FACC  
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA  
Sample Date: 03-25-2009  
Lab Job No.: GF903119

Dear Mr. Kennedy:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 03-25-2009 and analyzed for the following parameters:

TPH-Gasoline  
EPA 8260B (VOCs by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is certified by CA DHS (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our Laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.  
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



04-03-2009

Client: Greve Financial Lab Job No.: GF903119  
Project: Angeles Chemical Co./FACC  
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA Date Sampled: 03-25-2009  
Matrix: Water Date Received: 03-25-2009  
Batch No.: EMC26-GW1 Date Analyzed: 03-26-2009

**TPH-Gasoline by LUFT GC/MS**

Reporting Unit: µg/L (ppb)

Sample ID	Lab ID	C4-C12 (Gasoline Range)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-9	GF903119-1	2,340	50	50
MW-12	GF903119-2	ND	50	50
MW-12 Dup	GF903119-3	ND	50	50
MW-13	GF903119-4	192	50	50
MW-14	GF903119-5	567	50	50
MW-15	GF903119-6	1,150	50	50
MW-16	GF903119-7	503,000	50	50
MW-17	GF903119-8	621	50	50
MW-20	GF903119-9	352	50	50
MW-21	GF903119-10	3,200	50	50
MW-23	GF903119-11	604	50	50
MW-24	GF903119-12	263	50	50
MW-25	GF903119-13	704	50	50
Trip Blank	GF903119-14	ND	50	50

PQL: Practical Quantitation Limit.



**Alpha Scientific Corporation**  
Environmental Laboratories

Client: Greve Financial  
Project: Angeles Chemical Co./FACC

Lab Job No.: GF903119  
Matrix: Water

Date Reported: 04-03-2009  
Date Sampled: 03-25-2009

**EPA 8260B (VOCs by GC/MS, Page 1 of 2)**

Reporting Unit: ppb

DATE ANALYZED		03-26	03-26-09	03-26-09	03-26-09	03-26-09	03-26-09	03-26-09
DILUTION FACTOR			10	1	1	1	1	2.5
LAB SAMPLE I.D.			GF903119-1	GF903119-2	GF903119-3	GF903119-4	GF903119-5	GF903119-6
CLIENT SAMPLE I.D.			MW-9	MW-12	MW-12 DUP	MW-13	MW-14	MW-15
COMPOUND	MDL	PQL	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	150	ND	ND	ND	148
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	931*/678*
Trichlorofluoromethane	2	5	ND	ND	ND	ND	6.6	37.7
1,1-Dichloroethene	2	5	ND	1,190	ND	ND	21.1	179
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	844	ND	ND	ND	62.8
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	543	ND	ND	3.3J	30.3
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	4.5J	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	1.8J
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	5.8J	ND	ND	ND	55.4
Trichloroethene	2	2	ND	39.7	ND	ND	37.9	97.0
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND



**Alpha Scientific Corporation**  
Environmental Laboratories

Client: Greve Financial  
Project: Angeles Chemical Co./FACC

Lab Job No.: GF903119  
Matrix: Water

Date Reported: 04-03-2009  
Date Sampled: 03-25-2009

**EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: (ppb)**

COMPOUND	MDL	PQL	MB	MW-9	MW-12	MW-12 DUP	MW-13	MW-14	MW-15
Toluene	1	1	ND	ND	ND	ND	ND	ND	110
Tetrachloroethene	2	2	ND	88.0	5.8	5.8	121	156	29.1
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	ND	ND	ND	ND	ND	84.9
Total Xylenes	2	2	ND	ND	ND	ND	ND	ND	126
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	7.9J
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	34.7
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	50	100	ND	12,200	ND	ND	ND	57.7J	513
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

\* : Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL), j=trace concentration.



# Alpha Scientific Corporation

## Environmental Laboratories

Client: Greve Financial  
Project: Angeles Chemical Co./FACC

Lab Job No.: GF903119  
Matrix: Water

Date Reported: 04-03-2009  
Date Sampled: 03-25-2009

### EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED		03-26	03-26-09	03-26-09	03-26-09	03-26-09	03-26-09	03-26-09	03-26-09
DILUTION FACTOR		1	20	1	1	10	1	1	1
LAB SAMPLE I.D.			GF903119 -7	GF903119 -8	GF903119 -9	GF903119- 10	GF903119- -11	GF903119- 12	
CLIENT SAMPLE I.D.			MW-16	MW-17	MW-20	MW-21	MW-23	MW-24	
COMPOUND	MDL	PQL	MB						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	568	ND	ND	503	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	42.2	ND	ND	38.7	17.6
1,1-Dichloroethene	2	5	ND	3,130	128	66.5	626	134*	43.1
Iodomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	2,780*	1.8J	11.8	2,010	4.2	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	5,480*	8.6	27.2	826	11.5	3.9J
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	30.0	ND	ND	19.2	7.0
1,2-Dichloroethane	2	5	ND	ND	2.3J	ND	ND	1.3J	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	11.2J	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	50.6	ND	ND	20.6	ND	ND
Trichloroethene	2	2	ND	233	119	39.4	88.2	99.9	60.2
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	50.4J	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND



**Alpha Scientific Corporation**  
Environmental Laboratories

Client: Greve Financial  
Project: Angeles Chemical Co./FACC

Lab Job No.: GF903119  
Matrix: Water

Date Reported: 04-03-2009  
Date Sampled: 03-25-2009

**EPA 8260B (VOCs by GC/MS, Page 2 of 2)**

Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-16	MW-17	MW-20	MW-21	MW-23	MW-24
Toluene	1	1	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	2	ND	344	183*	222*	191	225*	126
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	31.0	ND	ND	ND	ND	ND
Total Xylenes	2	2	ND	ND	ND	ND	51.2	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloroproppane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	46.4J	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	285	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	82.0J	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	491	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	116	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	50	100	ND	6,700	ND	ND	ND	ND	ND
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

\* : Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL), j=trace concentration.



# Alpha Scientific Corporation

## Environmental Laboratories

Client: Greve Financial  
Project: Angeles Chemical Co./FACC

Lab Job No.: GF903119  
Matrix: Water

Date Reported: 04-03-2009  
Date Sampled: 03-25-2009

### EPA 8260B (VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ppb

DATE ANALYZED		03-26	03-26-09	03-26-09				
DILUTION FACTOR			1	1				
LAB SAMPLE I.D.			GF903119 -13	GF903119 -14				
CLIENT SAMPLE I.D.			MW-25	Trip Blank				
COMPOUND	MDL	PQL	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND			
Chloromethane	2	5	ND	ND	ND			
Vinyl Chloride	1	2	ND	ND	ND			
Bromomethane	2	5	ND	ND	ND			
Chloroethane	2	5	ND	ND	ND			
Trichlorofluoromethane	2	5	ND	105	ND			
1,1-Dichloroethene	2	5	ND	306*	ND			
Iodomethane	2	5	ND	ND	ND			
Methylene Chloride	2	5	ND	ND	ND			
trans-1,2-Dichloroethene	2	5	ND	ND	ND			
1,1-Dichloroethane	1	2	ND	1.9J	ND			
2,2-Dichloropropane	2	5	ND	ND	ND			
cis-1,2-Dichloroethene	2	5	ND	14.6	ND			
Bromochloromethane	2	5	ND	ND	ND			
Chloroform	2	5	ND	46.4	ND			
1,2-Dichloroethane	2	5	ND	2.8J	ND			
1,1,1-Trichloroethane	2	5	ND	ND	ND			
Carbon tetrachloride	2	5	ND	ND	ND			
1,1-Dichloropropene	2	5	ND	ND	ND			
Benzene	1	1	ND	ND	ND			
Trichloroethene	2	2	ND	305*	ND			
1,2-Dichloropropane	2	5	ND	ND	ND			
Bromodichloromethane	2	5	ND	ND	ND			
Dibromomethane	2	5	ND	ND	ND			
trans-1,3-Dichloropropene	2	5	ND	ND	ND			
cis-1,3-Dichloropropene	2	5	ND	ND	ND			
1,1,2-Trichloroethane	2	5	ND	ND	ND			
1,3-Dichloropropane	2	5	ND	ND	ND			
Dibromochloromethane	2	5	ND	ND	ND			
2-Chloroethylvinyl ether	2	5	ND	ND	ND			
Bromoform	2	5	ND	ND	ND			
Isopropylbenzene	2	5	ND	ND	ND			
Bromobenzene	2	5	ND	ND	ND			



**Alpha Scientific Corporation**  
Environmental Laboratories

Client: Greve Financial  
Project: Angeles Chemical Co./FACC

Lab Job No.: GF903119  
Matrix: Water

Date Reported: 04-03-2009  
Date Sampled: 03-25-2009

**EPA 8260B (VOCs by GC/MS, Page 2 of 2)**

Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-25	Trip Blank				
Toluene	1	1	ND	ND	ND				
Tetrachloroethene	2	2	ND	344*	ND				
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND				
Chlorobenzene	2	5	ND	ND	ND				
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND				
Ethylbenzene	1	1	ND	ND	ND				
Total Xylenes	2	2	ND	ND	ND				
Styrene	2	5	ND	ND	ND				
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND				
1,2,3-Trichloroproppane	2	5	ND	ND	ND				
n-Propylbenzene	2	5	ND	ND	ND				
2-Chlorotoluene	2	5	ND	ND	ND				
4-Chlorotoluene	2	5	ND	ND	ND				
1,3,5-Trimethylbenzene	2	5	ND	ND	ND				
tert-Butylbenzene	2	5	ND	ND	ND				
1,2,4-Trimethylbenzene	2	5	ND	ND	ND				
Sec-Butylbenzene	2	5	ND	ND	ND				
1,3-Dichlorobenzene	2	5	ND	ND	ND				
p-Isopropyltoluene	2	5	ND	ND	ND				
1,4-Dichlorobenzene	2	5	ND	ND	ND				
1,2-Dichlorobenzene	2	5	ND	ND	ND				
n-Butylbenzene	2	5	ND	ND	ND				
1,2,4-Trichlorobenzene	2	5	ND	ND	ND				
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND				
Hexachlorobutadiene	2	5	ND	ND	ND				
Naphthalene	2	5	ND	ND	ND				
1,2,3-Trichlorobenzene	2	5	ND	ND	ND				
Acetone	5	25	ND	ND	ND				
2-Butanone (MEK)	5	25	ND	ND	ND				
Carbon disulfide	5	25	ND	ND	ND				
4-Methyl-2-pentanone	5	25	ND	ND	ND				
2-Hexanone	5	25	ND	ND	ND				
Vinyl Acetate	5	25	ND	ND	ND				
1,4-Dioxane	50	100	ND	ND	ND				
MTBE	2	2	ND	ND	ND				
ETBE	2	2	ND	ND	ND				
DIPE	2	2	ND	ND	ND				
TAME	2	2	ND	ND	ND				
T-Butyl Alcohol	10	10	ND	ND	ND				

\* : Obtained from a higher dilution analysis L : Obtained from a lower dilution analysis.

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF ×MDL), j=trace concentration.



04-03-2009

**EPA 8015M  
Batch QA/QC Report**

Client:	Greve Financial	Lab Job No.:	GF903119
Project:	Angeles Chemical Co./FACC		
Matrix:	Water	Lab Sample ID:	G903121-1
Batch No.:	EMC26-GW1	Date Analyzed:	03-26-2009

**I. MS/MSD Report  
Unit: ppb**

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1000	991	1,060	99.1	106.0	6.7	30	70-130

**II. LCS Result  
Unit: ppb**

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-g	974	1,000	97.4	80-120

ND: Not Detected (at the specified limit).



04-03-2009

**EPA 8260B  
Batch QA/QC Report**

Client: Greve Financial Lab Job No.: GF903119  
Project: Angeles Chemical Co./FACC  
Matrix: Water Lab Sample ID: G903121-1  
Batch No: 0326-VOEW1 Date Analyzed: 03-26-2009

**I. MS/MSD Report**

Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	21.9	20.3	109.5	101.5	7.6	30	70-130
Benzene	ND	20	20.8	20.6	104.0	103.0	1.0	30	70-130
Trichloro-ethene	ND	20	18.5	17.5	92.5	87.5	5.6	30	70-130
Toluene	ND	20	22.1	21.6	110.5	108.0	2.3	30	70-130
Chlorobenzene	ND	20	23.4	23.0	117.0	115.0	1.7	30	70-130

**II. LCS Result**

Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	21.7	20.0	108.5	80-120
Benzene	19.7	20.0	98.5	80-120
Trichloro-ethene	17.8	20.0	89.0	80-120
Toluene	20.8	20.0	104.0	80-120
Chlorobenzene	21.6	20.0	108.0	80-120

ND: Not Detected (at the specified limit)

**ALPHA SCIENTIFIC CORPORATION**  
**CHAIN OF CUSTODY RECORD**

Page 1 of 1

Lab Job Number GF903119

Client: <b>Greve Financial Services</b> Address						Analyses Requested						T.A.T. Requested  <input type="checkbox"/> Rush 8 12 24 hrs <input type="checkbox"/> 2-3 days <input checked="" type="checkbox"/> Normal  Sample Condition <input checked="" type="checkbox"/> Chilled <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Sample seals  Remark	
						Report Attention	Phone	Fax	Sampled by				8015M (Gasoline)
Project Name/No.	Project Site <b>ANGELES CHEM . S.F.S.</b>					No.,type* & size of container							
Client Sample ID	Lab Sample ID	Sample Collect		Matrix- Type	Sample Preserv		8015M (Gasoline)	8015M(Diesel)	8260B(BTEX, Oxygenates)	8260B (VOCs)	8270C(SVOCs)	CAM Metals	Remark
		Date	Time										
MW-12	GF903119-2	3/25/09	1115	GW	XSL	2@40	X	X	X				
MW-24	-12		1050	↓	chill	2@40	↓						
MW-13	-4		1130	↓		2@40							
MW-13-duplicate	-3		1130	1115		1@40							
MW-15	-6		1030	GW		2@40							
MW-21	-10		1000			2@40							
MW-14	-5		1013			2@40							
MW-25	-13		1000			2@40							
MW-23	-11		900			2@40							
MW-20	-9		0903			2@40							
MW-16	-7		0816			2@40							
MW-17	-8		0744			2@40							
MW-9	-1		0720			2@40							
TR	-14		0710	↓	↓	1@40	↓	↓	↓	↓			
Relinquished by <i>M Slatten</i>	Company <i>M Slatten CS1 3-2509</i>	Date	Time	Received by <i>J.W. Lino</i>	Company <i>ASC</i>	Date <i>3/25/09</i>	Time <i>12:18 PM</i>	Container types: M=Metal Tube A=Air Bag P=Plastic bottle G=Glass bottle V=VOA vial					
Relinquished by	Company	Date	Time	Received by	Company	Date	Time						